



County Palatine of Chester

REPORT

for the Year

1945

BY THE


County Medical Officer of Health

Presented to the
Public Health and Housing Committee

OF THE COUNTY COUNCIL

10th October, 1946.

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REPORT
OF THE
County Medical Officer of Health

For the Year ending December 31st, 1945.

*To the Public Health and Housing Committee of the
County Council of the County Palatine of Chester
and to the Members of the County Council.*

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INTRODUCTION

*To the Chairman and Members of the Public Health
Committee of the Cheshire County Council.*

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present to you my report on the health and sanitation of the County for the year 1945.

The maternal mortality, 1.74 deaths per thousand births live and still, set up a new low record, and the stillbirths rate—29.6 per thousand births live and still—maintained the low level established the previous year. The tuberculosis death rate, .41 per 1,000 population, was lower than any previous year except 1942. The infantile mortality was not as favourable as last year's specially low figure, but at 45.0 it was lower than any pre-war year, and still appreciably less than for the country as a whole.

Two important developments of recent years, financial help to the tuberculous and increased encouragement of treatment for venereal disease, will be found fully dealt with on pp. 36 and 42.

As usual, full details of county hospital work will be found in Section XI. As Dr. Norman Jones has accepted a post at Whipps Cross Hospital, Leytonstone, this is the last time the West Park Report will be contributed by him, and I cannot let the occasion pass without paying tribute to the ardour and loyalty with which he, as Medical Superintendent, has guided the activities of the hospital at an early and critical stage of its work.

Your obedient servant,

IAN C. MACKAY, M.B., Ch.B., D.P.H.,

29th July, 1946.

County Medical Officer.

Staff of the Public Health Department

County Medical Officer of Health and Chief School Medical Officer.	... Ian Campbell Mackay, M.B., Ch.B., D.P.H.
Deputy County Medical Officer of Health	... Arnold Brown, M.B., Ch.B., D.P.H.
Lady Assistant Medical Officer	Bertha Butters, M.B., Ch.B.
District Tuberculosis Officers	... A. Fleming, M.B., Ch.B., D.P.H. J. F. Cotter, L.R.C.P.I., L.R.C.S.I. E. Smith, M.D., D.P.H. D. W. Tough, M.B., Ch.B., D.P.H.
County Analyst	... S. Ernest Melling, F.I.C.
Dental Surgeons	... H. R. Parry, L.D.S. (Senior). J. L. Dickson, L.D.S. J. M. Gibbons, L.D.S. A. F. Hely, L.D.S. H. Jackson, L.D.S. E. S. Poulter, L.D.S. E. Johnson Taylor, L.D.S. H. W. S. Sheasby, L.D.S. E. J. Bermingham, L.D.S. (temporary). Isobel Downie, L.D.S. (temporary). H. Foulkes, L.D.S., R.C.S. (Eng.) (temporary). Dorothy Griffith, L.D.S. (temporary). Dorothy Hamilton, L.D.S. (temporary). Margaret Kininmonth, L.D.S. (temporary). W. K. Lever, L.D.S. (temporary). H. Lipkin, L.D.S. (temporary). H. Schweitzer, Dr. Med. Dent. (temporary). L. E. Stirzaker, L.D.S. (temporary).
Ophthalmic Surgeons (Part-time)	Eleanor Brock, M.B., D.O.M.S. S. H. Faulkner, M.D., M.R.C.P.I., D.O.M.S. T. S. Harrison, M.R.C.S., L.R.C.P. Dorothy Simmonds, M.B., Ch.B. A. C. Shuttleworth, M.B., D.O.M.S.
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Venereologist (Part-time)	... A. W. Ritchie, M.B., Ch.B., D.P.H.
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Assistant County Sanitary Inspector	... A. H. Moseley, A.M.I.S.E.
Milk Samplers	E. Farrall. T. T. Hares. W. Morris. T. Oakes. T. L. Wood

CONSULTANTS FOR PUERPERAL CASES

CHESTER

- J. Gardiner Wigley, F.R.C.S., 2, Curzon Park, Chester.
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- A. W. Holgate, F.R.C.S., 24, Curzon Park, Chester. (Tel. Chester 628)

LIVERPOOL

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- Gateacre Hall, Liverpool. (Tel. Gateacre 1810)
- A. Leyland Robinson, F.R.C.S., 63, Rodney Street, Liverpool 1.
(Tel. Royal 8061)
- The Flaxyard, Little Neston. (Tel. Neston 420)

MANCHESTER

- W. R. Addis, F.C.O.G., 2, St. John Street, Manchester 3.
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- 6, Appleby Lodge, Wilmslow Road, Manchester 14.
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- C. Philip Brentnall, M.D., 14, St. John Street, Manchester 3.
(Tel. Blackfriars 9984)
- "Riversdale," Mersey Road, Manchester 20.
(Tel. Didsbury 3762)
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Manchester. (Tel. Blackfriars 6458)
- Woodstock, Barlow Moor Road, Manchester 20.
(Tel. Didsbury 3350)
- E. A. Gerrard, M.D., 26, St. John Street, Manchester 3.
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- Hillbrow, West Didsbury, Manchester 18. (Tel. Didsbury 2681)
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- W. E. C. Thomas, M.B., Ch.B., M.C.O.G., Bank House, Stalybridge.
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- T. H. Richmond, F.R.C.S., 3, The Villas, London Road, Stoke-on
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Medical Superintendent

D. Wilkie, M.D., F.R.C.S. Ed. & Eng.

Deputy Medical Superintendent

Susan Beatty, M.B., Ch.B., B.A.O.

Resident Medical Officers

A. H. Swithinbank, M.B., Ch.B.

G. Hughes, M.B., Ch.B.

(also 3 Assistant Medical Officers).

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EAR, NOSE & THROAT—P. Garson, F.R.C.S.Ed., D.L.O.

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PSYCHIATRIST—P. M. Crowe, M.B., Ch.B., D.P.M.

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D.P.M.

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PATHOLOGIST—H. Stafford, M.B., Ch.B., D.P.M.

DENTIST—G. Phillips

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Deputy Matron—Miss Mary Condron, S.R.N., S.C.M.

Sister Tutor and Home Sister—Miss H. M. M. Kelly, S.R.N.

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Lady Almoner—Miss L. M. Reddish

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Medical Superintendent

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Clerk and Steward

Miss A. Olive

WRENBURY HALL, NANTWICH

Medical Superintendent

Peter W. Edwards, M.B., Ch.B.

Medical Officer

N. Patterson, M.B., Ch.B.

Matron

Miss C. A. Barton, S.R.N.

HEALTH VISITORS (49)

For districts in *italics*, M & C.W. work is not done; for districts in small capitals, M. & C.W. and School Medical work is not done; for districts in italic capitals, School Medical work is not done.

	CIVIL PARISHES		CENTRES, CLINICS & DISPENSARIES
DISTRICT No. 1. <i>Elizabeth Owen,</i> <i>8, Market Street,</i> <i>Hoylake</i>	Grange Hoylake-cum-West Kirby		Welfare Centre, 8, Market Street, Hoylake <i>Thurs. p.m.</i> (Tel. Hoylake 2322) School Clinic, 8, Market Street, Hoylake <i>Mon.—Fri. a.m.</i> (Tel. Hoylake 2322)
DISTRICT No. 2a <i>C. Turcan,</i> <i>4, Alpha Drive,</i> <i>Rock Ferry,</i> <i>Birkenhead</i> (Tel. Rock Ferry 1179)	<i>Bebington-cum-</i> <i>Bromborough</i> <i>Brimstage</i> <i>Capenhurst</i> <i>Eastham</i> <i>Ledsham</i> <i>Poulton-cum-Spital</i>	Puddington <i>Raby</i> Shotwick <i>Storeton</i> <i>Thornton Hough</i> Woodbank	School Clinic, St. Mark's Parish Room, New Ferry <i>Mon., Wed., Thurs., Fri. p.m.</i> Tub. Disp., 42, Hamilton Square, Birkenhead <i>Tues. & Fri. p.m.</i> (Tel. Birkenhead 3080)
DISTRICT No. 2b <i>M. James,</i> <i>17, Banks Road,</i> <i>West Kirby,</i> <i>Wirral</i>	Burton Gayton Heswall Ness	Neston-cum- Parkgate Willaston	Welfare Centre, Wesleyan Sunday School, Heswall <i>Alt. Mon. p.m.</i> Welfare Centre, Wesleyan Sunday School, Neston <i>Thurs. p.m.</i> School Clinic, Wesleyan Sunday School, Neston <i>Wed. p.m.</i> School Clinic, Wesleyan Sunday School, Heswall <i>Tues. p.m.</i>
DISTRICT No. 2c <i>E. G. Sinden,</i> <i>Cave Lodge,</i> <i>Thurstaston Road,</i> <i>Heswall</i>	Barnston Caldy Frankby Greasby	Irby Pensby Thurstaston	Welfare Centre, Village Hall, Irby <i>Alt. Mon. p.m.</i> Welfare Centre, Methodist Church Hall, Greasby <i>Alt. Tues. p.m.</i>
DISTRICT No. 3a <i>A. Breakwell,</i> <i>17, Lincoln Drive,</i> <i>Hoole</i>	<i>Childer Thornton</i> <i>Ellesmere Port</i> <i>Elton</i> <i>Gt. Stanney</i> <i>Gt. Sutton</i> <i>Hooton</i>	<i>Ince</i> Little Stanney <i>Little Sutton</i> Stoke Thornton-le-Moors	School Clinic, York Road, Ellesmere Port <i>Mon.—Fri. a.m. (v. No. 3b)</i> (Tel. E. Port 328)
DISTRICT No. 3b <i>M. A. Smith,</i> <i>69, Bouverie Street,</i> <i>Chester</i> (Tel. Chester 2716)	Aldford Buerion Chester Castle Churton Heath Claverton Dodleston Eaton Eccleston	Huntington Kinnerton Lea Newbold Marlston Poulton Pulford Rowton Saighton	School Clinic, York Road, Ellesmere Port <i>Mon.—Fri. a.m. (v. No. 3a)</i> (Tel. E. Port 328)
DISTRICT No. 4a <i>H. Marston,</i> <i>23, Glan Aber Park,</i> <i>Chester</i> (Tel. Chester 3052)	Barrow Christleton Great Boughton Guilden Sutton	Hoole U.D. Hoole Village Littleton	Welfare Centre, 55, Hoole Road, Chester <i>Tues. p.m., 1st Thurs. p.m.</i> School Clinic, 55, Hoole Road, Chester <i>Mon.—Fri. a.m.</i> Ante-Natal Clinic, 55, Hoole Road, Chester <i>2nd Thurs p.m. (v. No. 6)</i>
DISTRICT No. 4b <i>E. Greene,</i> <i>Greysfield,</i> <i>50a, Liverpool Road,</i> <i>Chester</i> (Tel. Chester 1439)	Bache Backford Bridge Trafford Caughall Chorlton-by- Backford Croughton Dunham-on- the-Hill Great Saughall Hapsford	Lea-by-Backford Little Saughall Mickle Trafford Mollington Moston Picton Shotwick Park Upton Wervin Wimbolds Trafford	Welfare Centre, Village Hall, Upton <i>1st & 3rd Thurs. p.m.</i> Welfare Centre, Vernon Institute, Saughall <i>1st, 3rd & 5th Mon., p.m.</i>
DISTRICT No. 5 <i>M. Gourlay,</i> <i>5, Sandown Terrace,</i> <i>Chester</i> (Tel. Chester 1094)	Ashton Beeston Bruen Stapleford Burton-by-Tarvin Clotton Hoofield Cotton Abbotts Cotton Edmunds Delamere Duddon Eaton Foulk Stapleford Hatton Hockenhull	Horton-cum-Peel Huxley Iddinshall Kelsall Mouldsworth Pryor's Heys Tarporley Tarvin Tilstone Fearnall Tiverton Utkinton Waverton Willington	Welfare Centre, Reading Room, Utkinton <i>Alt. Thurs. p.m.</i> Welfare Centre, Parish Hall, Tarporley <i>Alt. Thurs. p.m.</i> Welfare Centre, Jubilee Hall, Malpas <i>Alt. Mon. p.m. (v. No. 6)</i> Welfare Centre, Parish Hall, Kelsall <i>1st & 3rd Tues. p.m.</i>

	CIVIL PARISHES	CENTRES, CLINICS & DISPENSARIES
DISTRICT No. 6 D. Toft, The Oaks Lodge, Upton, Chester (Tel. Chester 2422)	Carden Chidlow Chorlton Chowley Church Shocklach Churton-by-Alf'd Ch'rtton-by-F'don Clutton Coddington Crewe Cuddington Duckington Edge Edgerley Egerton Farndon	Golborne Bellow Golborne David Grafton Hampton Handley Harthill Horton Kings Marsh Larkton Macefen Malpas Newton-by- Malpas Newton-by- Tattenhall Oldcastle
Agden Aldersey Barton Bickerton Bickley Bradley Broxton Burwardsley Caldecott		Welfare Centre, Jubilee Hall, Malpas <i>Alt. Mon. p.m. (v. No. 5)</i> School Clinic, Jubilee Hall, Malpas <i>Thurs. p.m.</i> Tub. Disp., 2, King's Buildings, Chester <i>Wed. a.m. (Tel. Chester 2874)</i> Ante-Natal Clinic, 55, Hoole Road, Chester <i>2nd Thurs. p.m. (v. No. 4)</i> School Clinic, School House, Tattenhall <i>Tues. p.m.</i> Overton Shocklach Oviatt Stockton Stretton Tattenhall
		Threapwood Tilston-by-Malpas Tushingham Wigland Wychough
DISTRICT No. 7a H. K. Coventry, 11, Weston Crescent, Runcorn E. Riley, 17, Cornwall Avenue, Runcorn A. A. Briers, 8, Daisy Mount, Maghull, Liverpool	Runcorn U.D. (Mersey and Halton Wards) Runcorn U.D. (Weston and Heath Wards) Runcorn U.D. (Bridgewater, Central and Newtown Wards)	Welfare Centre, 29, High Street, Runcorn <i>Wed. a.m. and p.m. (Tel. Runcorn 2449)</i> School Clinic, 29, High Street, Runcorn <i>Tues. a.m. (Tel. Runcorn 2449)</i> <i>Mon., Thurs., Fri. p.m.</i> Ante-Natal Clinic, 29, High Street, Runcorn <i>Thurs. a.m. (Tel. Runcorn 2449)</i>
DISTRICT No. 7b S. E. Robinson, 23, Weston Crescent, Runcorn	Aston Daresbury Dutton Halton	Hatton Moore Norton Preston Brook
		See District No. 7a Sutton Walton Whitley
DISTRICT No. 8. B. Bird, The Bungalow, Chester Road, Sutton Weaver, Warrington	Alvanley Frodsham Helsby	Kingsley Manley Norley
	Welfare Centre, Cable Works, <i>Alt. Tues. p.m.</i>	Helsby
DISTRICT No. 9 W. Kidd, Parkfield, Middlewich Road, Northwich (Tel. Northwich 2186)	Acton Anderton Barnton Comberbach Crowton	Great Budworth Little Leigh Marbury Marston Weaverham
		Welfare Centre, Parish Hall, Weaverham <i>Alt. Tues. p.m.</i> Welfare Centre, Parkfield, Middlewich Road, <i>Thurs. p.m.</i> School Clinic, C.E. School, Barnton <i>Wed. a.m.</i> Welfare Centre, Meth. Church, Barnton <i>2nd & 4th Wed.</i> School Clinic, Council School, Weaverham <i>Tues. and Fri. a.m.</i>
DISTRICT No. 10 E. Middlehurst, Parkfield, Middlewich Road, Northwich (Tel. Northwich 2186)	Allstock Aston-by-Bud'th Bexton Goostrey Knutsford U.D. Lostock Gralam Mere Nether Peover	Ollerton Peover Inferior Peover Superior Pickmere Plumley Tabley Inferior Tabley Superior Toft
		School Clinic, Mission Hall, Adams Hill, <i>Wed. p.m.</i> Knutsford Tub. Disp., Physio-Therapy Clinic Northwich <i>Tues. pm. (Tel. Northwich 4332)</i> Welfare Centre, Parkfield, Middlewich Road, <i>Thurs. p.m.</i> Northwich Twemlow Wincham
DISTRICT No. 11 G. J. Dawson, Darland House, Northwich L. Scully, Darland House, Northwich	Northwich U.D. (Witton and Northwich Wards) Northwich U.D. (Castle and Winnington Wards)	Welfare Centre, Darland House, Northwich <i>Tues. p.m.</i> School Clinic, Darland House, Northwich <i>Tues. and Fri. a.m.</i>
DISTRICT No. 12 M. Edwards, Parkfield, Middlewich Road, Northwich	Cuddington Davenham Hartford Lach Dennis Little Budworth	Marton Moulton Oakmere Rudheath Whatecroft
		School Clinic, Parkfield, Middlewich Road, <i>Mon., Tues., Wed., Fri., a.m.</i> Northwich Welfare Centre, Parkfield, Middlewich Road, <i>Thurs. p.m.</i> Northwich Welfare Centre, Meth. Church, Davenham <i>1st Mon., p.m.</i> Welfare Centre, Church Hall, Moulton <i>3rd Wed., p.m.</i> Welfare Centre, Meth. Chapel, Hartford <i>2nd Mon. p.m.</i>
DISTRICT No. 13 G. W. Johnson, Highfield, Swanlow Lane Winsford	Winsford U.D.	Darnhall
		Welfare Centre, 98, Weaver Street, Winsford <i>Fri. p.m. (Tel. Winsford 2387)</i> School Clinic, 98, Weaver Street, Winsford <i>Mon. and Wed. p.m., Fri. a.m.</i>

	CIVIL PARISHES	CENTRES, CLINICS & DISPENSARIES
DISTRICT No. 14 M. E. Fox The Priory, Middlewich	Middlewich U.D. Bostock Byley Church Hulme	<i>Cranage</i> Sproston Stanthorne Wimboldsley Welfare Centre, The Priory, Middlewich <i>Mon. p.m.</i> (Tel. Middlewich 165) School Clinic, The Priory, Middlewich <i>Mon. a.m., Wed. and Fri. p.m.</i>
DISTRICT No. 15 C. Hopwood, The Dowery, Barker Street, Nantwich	Nantwich U.D. Aston Cholmondeston Church Minshull Henhull	Leighton Minshull Vernon Poole Wettenhall Woolstanwood Worleston Welfare Centre, The Dowery, Nantwich <i>Thurs. p.m.</i> (Tel. Nantwich 5360) School Clinic, The Dowery, Nantwich <i>Mon.—Fri. a.m.</i> (Tel. Nantwich 5360)
DISTRICT No. 16a R. Walch, Clifford House, Park Road, Willaston, Nantwich	Acton Alraham Austerson Baddiley Baddington Batherton Brindley	Broomhall Bulkeley Bunbury Burland Calvey Cholmondeley Chorley Coole Pilate Edleston Faddiley Haughton Hurleston Marbury Norbury Peckforton Ridley Sound Spurstow Stapeley Stoke Wardle Willaston Wirswall Woodcott Wrenbury
DISTRICT No. 16b E. Hayes, Brook House, Green Lane, Audlem, Crewe	Audlem Basford Blakenhall Bridgemere Buerton Checkley c. W.	Chorlton Dodcott, c. W. Doddington Hankelow Hatherton Hough Welfare Centre, Wesleyan Chapel, Audlem <i>1st and 3rd Tues. p.m.</i> Hunston Lea Newhall Rope Shavington Walgherton Weston Wybunbury
DISTRICT No. 17a P. Percival, 3, Newton Terrace, St. Anne's Road, Middlewich	Alsager U.D. Barthomley Church Lawton	Crewe (Rural) Haslington Odd Rode Welfare Centre, St. Mary's Sunday School, <i>Alt. Tues. p.m.</i> Alsager Welfare Centre, Yoxall Institute, Haslington <i>Alt. Tues. p.m.</i> Welfare Centre, Parish Hall, Odd Rode <i>2nd and 4th Wed. p.m.</i>
DISTRICT No. 17b A. Whitaker, 5, Sandown Terrace, (Tel. Chester 1094) Chester	CREWE M.B. Warrington	Wistaston Tuberculosis Dispensary, Memorial Hospital, <i>Mon. a.m. and p.m.</i> Crewe <i>Thurs. a.m.</i> (Tel. Crewe 2525)
DISTRICT No. 18 F. L. Govan, 29, Eagle Brow, Lymm, Warrington	Antrobus Appleton Grappenhall	Stockton Heath Stretton Welfare Centre, Methodist Sunday School, <i>Alt. Mon. p.m.</i> Grappenhall Welfare Centre, Parish Hall, Stockton <i>Alt. Mon. p.m.</i> Heath
DISTRICT No. 19 D. E. Lowey, 29 Eagle Brow, Lymm, Warrington (Tel. Lymm 277)	Lymm U.D. Carrington High Legh	Partington Warburton Welfare Centre, 29, Eagle Brow, Lymm <i>Tue. p.m.</i> (Tel. Lymm 277) Welfare Centre, St. Mary's Institute, <i>Alt. Thurs. p.m.</i> Partington School Clinic, 29, Eagle Brow, Lymm <i>Mon.—Fri. a.m.</i> (Tel. Lymm 277)
DISTRICT No. 20 M. Ross, 70, Chapel Road, Sale H. Wingfield, 70, Chapel Road, Sale W. Heron, 53, Hawthorn Road, Manchester 21	Sale M.B. (St. Martin's, St. Mary's, and Mersey Wards) Sale M.B. (Central, East & North Wards) Sale M.B. (South and West Wards)	Welfare Centre, 70, Chapel Road, Sale <i>Tues. and Thurs. p.m., 2nd Wed. p.m.</i> School Clinic, 70, Chapel Road, Sale <i>Mon.—Fri. a.m.</i> (Tel. Sale 1329) Ante & Post Natal Clinic, 70, Chapel Road, <i>1st, 3rd and 4th Wed. p.m.</i> Sale Orthopaedic Clinic, 70, Chapel Rd., Sale <i>Mon. and Thurs., a.m., Fri. p.m.</i>
DISTRICT No. 21a E. Edwards, 34 Avon Road, Hale, Altrincham	Bowdon U.D. Hale U.D. Ashley	Ringway Rostherne Tatton Welfare Centre, Methodist Schoolroom, <i>Alt. Thurs. p.m.</i> Bowdon School Clinic, 1, Hawthorn Road, Hale <i>Mon., Wed., Fri. p.m.</i> Tuberculosis Dispensary, General Hospital, <i>Mon. 6 p.m., Wed., Fri. a.m.</i> Altrincham
DISTRICT No. 21b L. E. H. Tripp, Sampford Brett, Altrincham (Tel. Altrincham 1884)	Altrincham M.B. Agden Bollington	Dunham Massey Millington School Clinic, Mountlands, Altrincham <i>Mon., Tues., Fri. a.m.</i> School Clinic, Homestead, Timperley <i>Wed. a.m.</i> Tuberculosis Dispensary, General Hospital, <i>Fri. p.m.</i> (Tel. Alt. 2678) Altrincham
DISTRICT No. 22a M. Bell, Alma House, Altrincham Road, Wilmslow (Tel. Wilmslow 2635)	Alderley Edge U.D. Chorley Great Warford Marshall	Mobberley Wilmslow U.D. (Hough, Dean Row, Fulshaw and Morley Wards) Welfare Centre, Alma House, Wilmslow <i>Thurs. p.m.</i> (Tel. Wilmslow 2635) Welfare Centre, Hall Lane, Mobberley <i>Alt. Tues. p.m.</i> Welfare Institute, Church Institute, Alderley <i>Fri. p.m.</i> Edge School Clinic, Alma House, Wilmslow <i>Tues., Thurs., Sat. a.m.</i> (Tel. Wilmslow 2635)

	CIVIL PARISHES	CENTRES, CLINICS & DISPENSARIES
DISTRICT No. 22b D. M. Bowers, 1, Albany Road, Wilmslow	Wilmslow U.D. (Styal and Handforth Wards) Hazel Grove and Bramhall U.D. (Woodford and Bramhall Wards)	Welfare Centre, Wellbrook House, Bramhall 1st and 3rd Mon. p.m. Welfare Centre, Conserv. Women's Club, 2nd and 4th Mon. p.m. Handforth
DISTRICT No. 23 M. Spencer, 2, Elm Drive Pownall Estate, Macclesfield	MACCLESFIELD M.B. Mottram-St.- Bosley Andrew Chelford North Rodé Eaton Nether Alderley Gawsworth Over Alderley Henbury Prestbury Hulme Walfield Siddington Marton Snelson	Welfare Centre, Wellington Road, Bollington Alt. Thurs. p.m. (v. No. 23) Tub. Disp., Gen. Infirmary, Macclesfield Mon. and Fri. p.m. (Tel. M'field 2913) Somerford Swettenham Somerford Booths Withington
DISTRICT No. 24 Esme Owen, 12 West Street, Congleton (Tel. Congleton 169)	Sandbach U.D. Brereton Arclid Elton Betchton Hassall Bradwall Smallwood Tetton	Welfare Centre, Marriott House, Sandbach Tues. p.m. School Clinic, Marriott House, Sandbach Wed. and Fri. p.m.
DISTRICT No. 25 G. F. Finger, 12, West Street, Congleton (Tel. Congleton 169)	CONGLETON M.B. Moreton-cum-Alcumlow. Newbold Astbury Ante & Post Natal Clinic, 12, West Street, Congleton. 2nd & 4th Thurs., 1st Tues., p.m.	Welfare Centre, 12, West Street, Congleton Mon. p.m. (Tel. Congleton 169) Tuberculosis Dispensary, Mem. Hospital, Fri. a.m. Congleton
DISTRICT No. 26a M. B. Batty, 14, Parrswood Court, Manchester 20	Cheadle and Gatley U.D. (Cheadle Hulme and Heald Green Wards) Welfare Centre, Mission Hall, Adswood	School Clinic, All Saints' Parish Room, Wed., Fri. p.m. Cheadle Hulme Welfare Centre, Mission Hall, Cheadle Hulme Alt. Tues. p.m. 1st and 3rd Mon., p.m.
DISTRICT No. 26b E. Hardy, 4, Bird Hall Avenue, Cheadle Hulme, Stockport	Cheadle and Gatley U.D. (Cheadle and Gatley Wards)	School Clinic, Council School, Cheadle Mon., Wed. and Fri. a.m. Welfare Centre, Wesleyan Sunday School, Alt. Tues. p.m. Cheadle
DISTRICT No. 27 C. M. Bullough, 54, Mill Lane, Hazel Grove, Stockport	Hazel Grove and Bramhall U.D. (North and East Wards)	Welfare Centre, 253, London Road, Thurs. p.m. Hazel Grove School Clinic, 253, London Rd., Hazel Grove Tues. a.m., Fri. p.m.
DISTRICT No. 28 F. G. Brentnall, Five Ashes, Kerridge, Macclesfield	Bollington U.D. Macclesfield F'est Adlington Poynton Hurdshfield Rainow Kettleshulme Sutton Lyne Handley Wildboarclough Pott Shrigley Wincle Welfare Centre, Lane Ends Club, 2nd & 4th Wed. p.m. Sutton.	Welfare Centre, Wellington Road, Bollington Alt. Thurs. p.m. (v. No. 23) School Clinic, Wellington Road, Bollington Wed. a.m. Welfare Centre, Methodist Sunday School, Alt. Thurs. p.m. Poynton School Clinic, Primary School, Poynton Thurs. a.m.
DISTRICT No. 29a S. Morris, 1, Warwick Road, Romiley, Stockport	Bredbury and Romiley U.D. (Bredbury Ward)	Welfare Centre, Congregational Sunday Tues. a.m. and p.m. School, Bredbury School Clinic, Cong. Sunday School, Bredbury Fri., a.m.
DISTRICT No. 29b M. Wilkinson, 5, Portland Place, Mottram Road, Stalybridge	Bredbury and Romiley U.D. (Romiley and Compstall Wards) STALYBRIDGE M.B. Tuberc. Dispen., Gt. Egerton St., Stockport	Welfare Centre, Leyfield Avenue, Romiley Thurs. p.m. School Clinic, Leyfield Avenue, Romiley Mon., p.m. and Wed., p.m. Stockport (Tel. Stockport 2204) Tues., a.m.
DISTRICT No. 30 E. Ollerenshaw, 159, Talbot Road, Hyde (Tel. Hyde 806) B. Brewster, Spout House Farm, Strines, Stockport	DUKINFIELD M.B. (East Ward) DUKINFIELD M.B. (Central and West Wards)	Welfare Centre, 212 Astley Street, Dukinfield Wed. and Thurs. a.m. and p.m. (Tel. Ashton 1689)
DISTRICT No. 31 F. Spencer, 10, Allan Avenue, Hyde	HYDE M.B. Longdendale U.D. Tintwistle R.D. Tuber. Dis., Beeley Street, Hyde Mon. a.m., Wed. 2 & 6 p.m. (Tel. Hyde 537)	Welfare Centre, St. Mary's Sunday School, Alt. Thurs. p.m. Hollingworth School Clinic, Council School, Hollingworth Tues. a.m.
DISTRICT No. 32 S. Dickson, Bute House, Marple Bridge, Stockport (Tel. Marple 177)	Marple U.D. Disley R.D. Welfare Centre, Meth. Sun. School, 2nd & 4th Thurs. p.m. Marple Bridge. Welfare Centre, Hartley House, Alt. Tues. p.m. High Lane.	Welfare Centre, Houscwfery Centre, Disley Alt. Tues. p.m. Welfare Centre, Meth. Sunday School, Marple Wed. p.m. School Clinic, Meth. Sunday School, Marple Wed. a.m. (Tel. Marple 582)

COUNTY MIDWIVES (66)

No.	Name	Address	Telephone
1	E. M. Lowe	5, Broughton Avenue, West Kirby	Hoylelake 2526
2	S. E. Peacock	5, Broughton Avenue, West Kirby	Hoylelake 2526
4	M. Boothroyd	20, Larchwood Drive, Woodhey, Bebington	Rock Ferry 2303
5	A. E. Hamer	105, Alport Lane, Bromborough	Bromborough 531
6	M. Uytendhal	19, Bolton Road East, New Ferry	Rock Ferry 2301
7	M. E. Wright	Fernbank, 4, Bromborough Road, Bebington	Rock Ferry 40
8	R. Baines	Sunnymede, Liverpool Road, Neston	Neston 325
9	L. M. Bradshaw	Newlands, Berwick Gardens, Little Sutton	Hooton 2138
10	E. Butler	Mersey View, Pooltown Road, Whitby	E. Port 240
11	V. E. Corson	Dormy, Wilkinson Street, Ellesmere Port	E. Port 146
12	E. Evans	85, Grace Road, Ellesmere Port	E. Port 1188
13	A. E. Williams	6, York Road, Ellesmere Port	E. Port 329
14	E. E. West	20, Halkyn Road, Chester	Chester 2274
15	E. McAllister	73, Green Lane, Chester	Christleton 37
16	I. B. Jones	18, Bache Avenue, Upton	
17	E. A. Cooke	13, Waterloo Road, Runcorn	Runcorn 2623
18	G. Minshall	20, Leinster Street, Runcorn	Runcorn 2798
19	E. Holt	Brynton, Heath Road, Runcorn	Runcorn 2556
20	B. Smith	34, Russell Road, Runcorn	Runcorn 2013
21	J. Elliott	88, Knutsford Road, Grappenhall	Grappenhall 384
22	A. J. Carroll	1, Stetchworth Road, Walton, Stockton Heath	St'kton Heath 611
23	N. Jones	71, East Avenue, Rudheath, Northwich	Northwich 3020
23a	E. Sherratt	Cartmel, London Road, Northwich	Northwich 2771
24	A. Orme	95, Victoria Road, Northwich	Northwich 3025
25	M. Court	117, Delamere Street, Over, Winsford	Winsford 2311
26	A. E. Hough	Beaumont, St. Ann's Road, Middlewich	Middlewich 167
27	E. A. Bimson	20, Gatefield Street, Crewe	Crewe 2239
27a	L. Smith	36, Clyde Grove, Crewe	Crewe 3345
28	D. Broad	234, Hungerford Road, Crewe	Crewe 2495
28a	E. Cannon	36, Clyde Grove, Crewe	Crewe 3345
29	N. W. Brookes	41, Samuel Street, Crewe	Crewe 2826
29a	B. J. Blatter	41, Samuel Street, Crewe	Crewe 2826
30	M. Kelly	45, Brooklyn Street, Crewe	Crewe 2875
31	E. G. Williams	282, Broad Street, Crewe	Crewe 2666
31a	M. Wilson	152, Holland Street, Crewe	
33	E. Jones	12, Well Lane, Alsager	Alsager 223
34	M. Stoddart	24, Brook Road, Lymm	Lymm 581
37	H. Gilbody	192, Northenden Road, Sale Moor, Sale	Sale 4313
38	D. Lindley	65, Derbyshire Road South, Sale	Sale 4383
39	K. McSweeney	27, Glebelands Road, Sale	Sale 1842
40	A. Whittle	220, Manchester Rd., Broadheath, Altrincham	Altrincham 1484
41	S. Leigh	5, Poplar Avenue, Altrincham	Altrincham 0963
43	M. A. Fittes	Dunham Woodhouses, Dunham Massey	Altrincham 0056
44	L. Starkey	1, Bancroft Road, Hale	Ringway 4653
45	D. Harper	Cranford, Bradwall Road, Sandbach	Sandbach 273
46	A. A. Rowley	51, Swan Street, Congleton	Congleton 430
47	R. H. Frost	Brook Bank, Townsend Road, Congleton	Congleton 429
48	M. A. Lane	3, Vaudrey Crescent, Congleton	Congleton 442
49	C. Bayliss	94, Councillor Lane, Cheadle	Gatley 3797
49a	E. M. Newman	10, Madison Avenue, Cheadle Hulme	Ch'le Hulme 1261
50	F. W. Hampson	335, London Road, Hazel Grove	Great Moor 3131
51	S. P. Faulkner	99, Hawthorn Street, Wilmslow	Wilmslow 2717
52	B. J. Whittaker	12, Garden City, Macclesfield	Macclesfield 3766
54	G. H. Robinson	249, Peter Street, Macclesfield	Macclesfield 3321
55	E. Fairclough	19, Nicholson Avenue, Macclesfield	Macclesfield 3322
56	D. Tomlinson	7, Clegg Street, Macclesfield	Macclesfield 2073

COUNTY MIDWIVES (contd.)

No.	Name	Address	Telephone
57	A. D. Hall	47, Taylor Street, Hollingworth —	Mottram 214
58	L. Purvey	184, Huddersfield Road, Stalybridge —	Stalybridge 2483
59	N. Robinson	6, Acres Lane, Stalybridge — —	Stalybridge 2821
60	F. Dent	Plas-y-Garth, Wakefield Road, Stalybridge	Stalybridge 2281
62	A. Lees	90, Astley Street, Dukinfield — —	Ashton 1073
63	A. E. Marten	218, Birch Lane, Dukinfield — —	Stalybridge 2443
64	L. Kitchen	7, Elm Grove, Hyde — — —	Hyde 789
65	L. Sambrook	57, Woodfield Avenue, Hyde — —	Hyde 786
66	K. A. Johnson	12, Shaw Hall Avenue, Hyde	
66a	M. P. Schofield	Woodhaven, Woodend Lane, Hyde —	Hyde 739
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—	M. E. Cottrell (Relief)	Fern Bank, Weston Road, Weston, Runcorn	

COUNTY DENTAL NURSES (6)

D. Babington	211, Fog Lane, Didsbury, Levenshulme, Manchester.
D. Comyn	Spring Villa, Upton Park, Chester.
H. Howarth	700, Borough Road, Birkenhead
M. M. Ramsbottom	11, Cranleigh Drive, Cheadle.
G. Rees	46, George's Crescent, Grappenhall, Warrington.
E. Toft	Durlston, Grove Road, Mollington, Chester.

COUNTY DENTAL ATTENDANTS (12)

J. Bartley	27, Tarvin Road, Chester.
P. Fairhurst	Brandreth, The Avenue, Alderley Edge, Manchester.
D. Fellowes	30, Raby Drive, Moreton, Wirral.
E. W. Gidman	Davenham House, Davenham, Northwich.
B. K. Hammond	11, Bemrose Avenue, Altrincham.
M. B. Jewison	42, Foxhall Road, Timperley.
W. Riley	4, Elm Road, Cheadle Heath, Stockport.
D. Smith	59, Hoole Road, Chester.
M. Watkin	7, Huxley Street, Altrincham.
J. Wolstenholme	White Hall Stables, Little Budworth, Tarporley.
J. E. Young	Rope Grange, Crewe.
M. Yoxall	West View, Coppice Road, Willaston, Nantwich.

Superintendent Clerk — — Vincent O'Connor.

Offices—24, Nicholas Street, Chester. Telephone Chester 2305 (2 lines).

PUBLIC VACCINATORS and POOR LAW MEDICAL OFFICERS.

No. 1 (BUCKLOW) AREA.

District No. 1 (Altrincham).

Altrincham M.B.	Bowdon U.D. Dunham Massey	Hale U.D.
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Public Vaccinator	}	H. A. Logan, Manor House, Woodlands Road,
Medical Officer	}	Altrincham.

District No. 2 (Knutsford South).

Bexton	Marthall-cum- Warford	Ollerton
Peover Inferior		Peover Superior
Plumley	Toft	

Public Vaccinator—	}	H. Bowring, Tithe House, Chelford Road,
Medical Officer—	}	Knutsford.

District No. 3 (Knutsford North).

Knutsford U.D.	Agden	Aston-by-Budworth
Bollington	High Legh	Mere
Millington	Pickmere	Rostherne
Tabley Inferior	Tabley Superior	Tatton

Public Vaccinator—	}	H. Bowring, Tithe House, Chelford Road,
Medical Officer—	}	Knutsford.

District No. 4 (Lymm).

Lymm U.D.

Public Vaccinator—	}	F. Wraith, Footscray, Lymm.
Medical Officer—	}	

District No. 5 (Sale).

Sale M.B.	Carrington Warburton	Partington
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Public Vaccinator—	}	Dr. J. J. Cruickshank, Lindenholme, Wardle
Medical Officer—	}	Road, Sale.

District No. 6 (Wilmslow).

Alderley Edge U.D.	Wilmslow U.D.	Ashley
Mobberley	Ringway	

Public Vaccinator—	}	A. Nowell, Handforth Lodge, Handforth.
Medical Officer—	}	

No. 2 (MACCLESFIELD AND CONGLETON) AREA.

District No. 1 (Macclesfield).

Macclesfield M.B.

Public Vaccinator—	}	S. F. Clegg, Nuneham, Victoria Road,
Medical Officer—	}	Macclesfield.

No. 2 (Macclesfield and Congleton) Area—Continued.**District No. 2 (Sutton and Rainow).**

Gawsworth	Hurdsfield	Kettleshulme
Macclesfield Forest	Rainow	Sutton
Wildboardclough	Wincle	

Public Vaccinator— } A. C. Gillies, 195, Park Lane, Macclesfield.
 Medical Officer— }

District No. 3 (Alderley).

Alderley Nether	Alderley Over	Chelford
Chorley	Henbury	Siddington
Snelson	Warford Great	Withington

Public Vaccinator— } E. S. Evans, Roadside, Chelford, Crewe.
 Medical Officer— }

District No. 4 (Bollington).

Bollington U.D.	Disley R.D.	Lyme Handley
Mottram St. Andrew	Pott Shrigley	Prestbury

Public Vaccinator— } G. Coope, The Waterhouse, Bollington, nr.
 Medical Officer— } Macclesfield.

District No. 5 (Eaton and Marton).

Bosley	Eaton	Marton
	North Rode	

Public Vaccinator— } R. B. Davidson, Damian House, Congleton.
 Medical Officer— }

District No. 6 (Poynton).

Adlington	Poynton-with-Worth	Woodford
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Public Vaccinator— } N. Cox, London Road, Poynton, nr. Stockport.
 Medical Officer— }

District No. 7 (Congleton).

Congleton M.B.	Hulme Walfield	Moreton-cum-
Newbold Astbury	Somerford	Alcumlow
	Somerford Booths	

Public Vaccinator }
 Medical Officer } A. J. Pirie, Moody Hall, Congleton.

District No. 8 (Sandbach).

Sandbach U.D.	Arclid	Betchton
Bradwall	Elton	Hassall
Smallwood	Tetton	

Public Vaccinator— } A. Henderson, West View, Sandbach.
 Medical Officer— }

District No. 9 (Alsager).

Alsager U.D.	Church Lawton	Odd Rode
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Public Vaccinator— A. Henderson, West View, Sandbach
 Medical Officer— G. Bates, Lawton Road, Alsager.

District No. 10 (Church Hulme).

Brereton	Church Hulme	Cranage
Goostrey	Swettenham	Twemlow

Public Vaccinator— } L. J. Picton, Saddler's Close, Holmes Chapel.
 Medical Officer— }

No. 3 (NANTWICH) AREA.

District No. 1 (Audlem).

Audlem	Buerton	Coole Pilate
Dodcot-cum-	Hankelow	Newhall (Part of *)
Wilkesley (Part of *)		

Public Vaccinator— } G. C. Thornton, Beech House, Audlem, Crewe
 Medical Officer— }

District No. 2 (Bunbury).

Alraham	Bickerton	Bulkeley
Bunbury	Calveley	Egerton
Haughton	Peckforton	Ridley
Spurstow	Wardle	Wettenhall

Public Vaccinator— } M. M. F. Arthur, Birchfield, Bunbury
 Medical Officer— }

District No. 3 (Crewe North).

Crewe M.B. (North †)	Leighton	Minshull Vernon
Warmingham	Woolstanwood	

Public Vaccinator— } M. Parkes, Helmsville, Crewe.
 Medical Officer— }

District No. 4 (Crewe South).

Crewe M.B. (South †)	Rope	Shavington-cum-
Wistaston		Gresty

Public Vaccinator— } W. G. Murray, 144, Nantwich Road, Crewe.
 Medical Officer— }

District No. 5 (Haslington).

Barthomley	Basford	Crewe Rural
Haslington	Weston	

Public Vaccinator— } W. L. English, High Street, Haslington, Crewe.
 Medical Officer— }

District No. 6 (Nantwich).

Nantwich U.D.	Acton	Aston-juxta-Mondrum
Baddington	Batherton	Brindley
Burland	Cholmondeston	Church Minshull
Edleston	Faddiley	Henhull
Hurleston	Poole	Stoke
Willaston	Worleston	

Public Vaccinator— } S. Johnstone, Kiltearn House, Nantwich.
 Medical Officer— }

* Such part of these Parishes as lies East of a line formed by the Barnett Brook from the County boundary to its junction with the River Weaver, and thence by the River Weaver to the boundary of the Parish of Broomhall.

† Such part of Crewe M.B. as lies North of a line formed by West Street, Hightown, Victoria Street, Market Street, Earl Street, Hungerford Road.

‡ Such part of Crewe M.B. as lies South of the line defined in note † above.

No 3 (Nantwich) Area—Continued.**District No. 7 (Wrenbury).**

Baddiley	Broomhall	Cholmondeley
Chorley	Dodcot-cum-	Marbury-cum-
Newhall (Part *)	Wilkesley (Part *)	Quoisley
Norbury	Sound	Wirswall
Woodcott	Wrenbury-cum-Frith	

Public Vaccinator— } N. Patterson, Stanley House, Wrenbury.
 Medical Officer— }

District No. 8 (Wybunbury).

Austerson	Blakenhall	Bridgemere
Checkley-cum-	Chorlton	Doddington
Wrinehill	Hatherton	Hough
Hunsterson	Lea	Stapeley
Walgherton	Wybunbury	

Public Vaccinator— } O. H. Blacklay, 148, Hospital Street, Nantwich.
 Medical Officer— }

No. 4 (NORTHWICH AND RUNCORN) AREA.**District No. 1 (Northwich No. 1).**

Northwich U.D.	Lostock Gralam	Marbury
(Witton & Northwich Wards)		
Marston	Wincham	

Public Vaccinator— } J. B. Fulton, 162, Witton Street, Northwich
 Medical Officer— }

District No. 2 (Northwich No. 2).

Northwich U.D.	Anderton	Barnton
(Castle & Winnington Wards)		
Comberbach	Hartford	

Public Vaccinator— } J. W. Craw, Rose Bank, Chester Road, Northwich
 Medical Officer— }

District No. 3 (Winsford).

Winsford U.D.	Darnhall	Little Budworth
Marton	Moulton	

Public Vaccinator— } W. N. Leak, Dingle House, Winsford.
 Medical Officer — }

District No. 4 (Weaverham).

Acton	Crowton	Cuddington
Delamere	Little Leigh	Oakmere
	Weaverham-cum-	Norley
	Milton	

Public Vaccinator— } W. G. Shaw, Ivy House, Weaverham.
 Medical Officer— }

District No. 5 (Middlewich).

Middlewich U.D.	Allostock	Bostock
Byley	Davenham	Lach Dennis
Nether Peover	Rudheath	Sproston
Stanthorne	Whatcroft	Wimboldsley

Public Vaccinator— } J. Murphy, The Beeches, Middlewich.
 Medical Officer— }

* Such part of these Parishes as lies West of the line defined in note * on page 16.

No. 4 (Northwich & Runcorn) Area—Continued.**District No. 6 (Runcorn).**

Runcorn U.D.	Aston	Halton
Norton	Sutton	
Public Vaccinator—	} J. B. Murphy, 1, Queen Street, Runcorn.	
Medical Officer—		

District No. 7 (Budworth).

Antrobus	Appleton	Budworth, Great
Daresbury	Dutton	Grappenhall
Hatton	Moore	Preston Brook
Stockton Heath	Stretton	Walton
	Whitley	
Public Vaccinator—	} C. E. W. Bower, Viewfield, Stretton, Warrington.	
Medical Officer—		

District No. 8 (Frodsham).

Alvanley	Frodsham	Helsby
Kingsley	Manley	
Public Vaccinator—	H. H. James, The Knoll, Frodsham.	
Medical Officer—	H. B. Ellison, Brentwood, Red Lane, Frodsham.	

District No. 9 (Tarpoley).

Rushton	Tarpoley	Utkinton
Public Vaccinator—	} P. A. Campbell, Glenthorne, Tarpoley.	
Medical Officer—		

No. 5 (TARVIN) AREA.**District No. 1 (Hoole).**

Hoole U.D.	Bache	Backford
Barrow-by-Tarvin	Bridge Trafford	Caughall
Chorlton-by-Backford	Christleton	Croughton
Dunham-on-the-Hill	Elton	Great Boughton
Guilden Sutton	Hapsford	Hoole Village
Huntington	Little Stanney	Littleton
Moston	Picton	Rowtor
Saighton	Stoke	Thornton-le-Moors
Upton-by-Chester	Wervin	Wimbolds Trafford
Public Vaccinator—	} W. J. A. Russell, The Limes, Hoole.	
Medical Officer—		

District No. 2 (Chester Rural).

Aldford	Buerton	Capenhurst
Chester Castle	Churton Heath	Claverton
Dodleston	Eaton	Eccleston
Great Saughall	Lea-by-Backford	Lea Newbold
Ledsham	Little Saughall	Lower Kinnerton
Marlston-cum-Lache	Mollington	Poulton
Puddington	Pulford	Shotwick
Shotwick Park	Woodbank	
Public Vaccinator—	} O. E. Williams, Old Bars House, Foregate Street,	
Medical Officer—		

District No. 3 (Tarvin).

Ashton	Bruen Stapleford	Burton-by-Tarvin
Clotton Hoofield	Duddon	Foulk Stapleford
Hockenhull	Horton-cum-Peel	Huxley
Iddenshall	Kelsall	Mouldsworth
Pryor's Hayes	Tarvin	Tilstone Fearnall
Tiverton	Willington	
Public Vaccinator—	} C. R. Fielding, Kelsall.	
Medical Officer—		

No. 5 (Tarvin) Area—Continued.**District No. 4 (Tattenhall).**

Aldersey	Beeston	Broxton
Burwardsley	Chowley	Clutton
Cotton Abbotts	Cotton Edmunds	Golborne Bellow
Golborne David	Handley	Harthill
Hatton	Newton-by-Tattenhall	Tattenhall
	Waverton	

Public Vaccinator— } M. Dwyer, Church Bank, Tattenhall.
 Medical Officer— }

District No. 5 (Farndon).

Barton	Caldecott	Carden
Church Shocklach	Churton-by-Aldford	Churton-by-Farndon
Coddington	Crewe-by-Farndon	Edgerley
Farndon	Grafton	Horton-by-Malpas
Kings Marsh	Shocklach Oviatt	Stretton-by-Malpas
	Tilston-by-Malpas	

Public Vaccinator— } J. Alexander, Holly Bank, Farndon.
 Medical Officer— }

District No. 6 (Malpas).

Agden	Bickley	Bradley
Chidlow	Chorlton-by Malpas	Cuddington-by-
Duckington	Edge	Malpas
Hampton	Larkton	Macefen
Malpas	Newton-by-Malpas	Oldcastle
Overton-by-Malpas	Stockton	Threapwood
Tushingham-cum-	Wigland	Wychough
Grindley		

Public Vaccinator— } L. T. Pollard, Prospect House, Malpas.
 Medical Officer— }

No. 6 (WIRRAL) AREA.**District No. 1 (Bebington).**

Bebington M.B.

Public Vaccinator— } E. L. Hamm, Carlett Croft, Ferry Road,
 Medical Officer— } Eastham, Wirral.

District No. 2 (Neston and Wirral).

Neston U.D. Wirral U.D.

Public Vaccinator— } R. L. Turner, 1, Heath Drive, Heswall.
 Medical Officer— }

District No. 3 (Hoylake).

Hoylake U.D.

Public Vaccinator— } H. S. Lanceley, 2, Park Road, West Kirby.
 Medical Officer— }

District No. 4 (Ellesmere Port).

Ellesmere Port U.D.

Public Vaccinator— } R. F. Gerrard, 113, Station Road, Ellesmere
 Medical Officer— } Port.

No. 7 (STALYBRIDGE AND DUKINFIELD) AREA.**District No. 1 (Stalybridge No. 1).**

Stalybridge M.B. (Part of *)

Public Vaccinator—W. E. C. Thomas, Bank House, Stalybridge.

Medical Officer—J. A. Jolley, 60, Grosvenor Street, Stalybridge.

District No. 2 (Stalybridge No. 2).

Stalybridge M.B. (Part of †)

Public Vaccinator— } W. E. C. Thomas, Bank House, Stalybridge.

Medical Officer— }

District No. 3 (Dukinfield).

Dukinfield M.B.

Public Vaccinator— } J. Macfie, Clarendon House, Dukinfield.

Medical Officer— } Dukinfield.

District No. 4 (Longdendale).

Longdendale U.D. Tintwistle R.D.

Public Vaccinator— } E. Talbot, Prospect House, Mottram.

Medical Officer— }

No. 8 (HYDE AND CHEADLE) AREA.**District No. 1 (Hyde).**

Hyde M.B.

Public Vaccinator— } M. W. Paterson, Norbury House, Hyde.

Medical Officer— }

District No. 2 (Cheadle).

Cheadle and Gatley U.D.

Public Vaccinator— } T. S. Hanlin, 89, Gatley Road, Gatley.

Medical Officer— }

District No. 3 (Hazel Grove).

Hazel Grove and Bramhall U.D.

Public Vaccinator— } D. Kay, 267, London Road, Hazel Grove.

Medical Officer— }

District No. 4 (Bredbury).

Bredbury and Romiley U.D.

Public Vaccinator— } P. V. Cant, Woodley, nr. Stockport.

Medical Officer— }

District No. 5a (Marple No. 1).

Marple U.D. (excluding Ludworth Ward).

Public Vaccinator— } W. A. Jackson, Glengarth, Marple.

Medical Officer— }

District No. 5b (Marple No. 2).

Marple U.D. (Ludworth Ward).

Public Vaccinator— } A. G. Hastings, Overdale, Station Road,

Medical Officer— } Marple.

* The part lying on the North-West side of the River Tame.

† The part lying on the South-East side of the River Tame.

VACCINATION OFFICERS and REGISTRARS

(1931 populations of districts as constituted 1/4/39 are given in brackets)

AREA A—BUCKLOW.

District No. 1—Altrincham (45043).

Altrincham M.B.	..	(29353)	Ashley	(359)
Bowdon U.D.	..	(3341)	Dunham Massey ..	(716)
Hale U.D.	..	(11011)	Ringway	(263)
Vaccination Officer	}	W. Fryer, 5, Springfield Road, Altrincham.		
Registrar				

District No. 2—Knutsford (20062).

Knutsford U.D.	..	(6173)	Partington	(816)
Lymm U.D.	..	(5637)	Peover Inferior ..	(100)
Agden .. ..	..	(87)	Peover Superior ..	(617)
Aston-by-Budworth	..	(364)	Pickmere	(320)
Bexton .. ..	..	(14)	Plumley	(459)
Bollington ..	..	(174)	Rostherne	(284)
High Legh ..	..	(688)	Tabley Inferior ..	(117)
Marshall-cum-Warford	..	(626)	Tabley Superior ..	(351)
Mere .. ..	..	(379)	Tatton	(61)
Millington ..	..	(258)	Toft	(156)
Mobberley ..	..	(1753)	Warburton	(354)
Ollerton .. ..	..	(274)		
Vaccination Officer	}	Mrs. A. E. Shaw, 23, St. John's Avenue,		
Registrar				
		Knutsford.		

District No. 3—Sale (28575).

Sale M.B.	..	(28071)	Carrington	(504)
Vaccination Officer—	}	Mrs. D. Howard, Register Office, School Road,		
Registrar—				
		Sale.		

District No. 4—Wilmslow (15235).

Alderley Edge U.D.	..	(3279)	Wilmslow U.D. ..	(11956)
Vaccination Officer	}	R. G. Rathbone, Bank Square Buildings,		
Registrar				
		Wilmslow.		

AREA B—MACCLESFIELD.

District No. 1—Congleton (14666).

Congleton M.B...	..	(14666)		
Vaccination Officer	}	S. A. Bevan, 8, Park View, Congleton.		
Registrar				

District No. 2 (a)—Macclesfield (a) (21936).

Bollington U.D.	..	(5062)	Mottram-St.-Andrew ..	(526)
Adlington ..	..	(687)	Nether Alderley ..	(757)
Bosley .. ..	..	(359)	North Rode	(268)
Chelford ..	..	(341)	Over Alderley ..	(332)
Chorley .. ..	..	(376)	Pott Shrigley	(441)
Eaton .. ..	..	(239)	Poynton	(3944)
Gawsworth ..	..	(668)	Prestbury	(1103)
Great Warford	..	(832)	Rainow	(1109)
Henbury .. ..	..	(404)	Siddington	(441)
Hurdsfield ..	..	(428)	Snelson	(200)
Kettleshulme ..	..	(346)	Sutton	(1404)
Lyme Handley ..	..	(211)	Wildboarclough ..	(169)
Macclesfield Forest	..	(125)	Wincle	(208)
Marton .. ..	..	(249)	Withington	(656)
Vaccination Officer—	G. B. Sturley, Relief Office, Lyme Terrace, Poynton.			
Registrar—	M. A. Bevan, Old County Police Buildings, Macclesfield.			

Area B—Macclesfield—Continued.**District No. 2 (b)—Macclesfield (b) (35552).**

Macclesfield M. B. .. (35552)

Vaccination Officer—A. Millward, 10, Waterloo Street West, Macclesfield.

Registrar—M. A. Bevan, Old County Police Buildings, Macclesfield.

AREA C—CREWE.**District No. 1 (a)—Crewe (a) (48321).**

Crewe M.B. .. (48321)

Vaccination Officer } A. W. Highet, 1, Gatefield Street, Crewe.

Registrar }

District No. 1 (b)—Crewe (b) (7550).

Barthomley (257) Shavington (1563)

Basford (177) Warringham (202)

Crewe (Rural) (177) Weston (490)

Haslington (2882) Wistaston (1260)

Leighton (137) Woolstanwood (81)

Minshull Vernon .. (324)

Vaccination Officer—C. Griffiths, 1, Gatefield Street, Crewe.

Registrar—A. W. Highet, 1, Gatefield Street, Crewe.

District No. 2 (a)—Nantwich (a) (16361).

Nantwich U.D. (8639) Edleston (60)

Acton (206) Faddiley (211)

Aston-juxta-Mondrum .. (139) Hatherton (287)

Austerson (50) Henhull (97)

Baddiley (219) Hough (299)

Baddington (104) Hunsterson (175)

Batherton (53) Hurleston (110)

Blakenhall (178) Lea (37)

Bridgemere (149) Poole (114)

Brindley (187) Rope (92)

Burland (595) Stapeley (510)

Checkley-cum-Wrinehill (235) Stoke (213)

Cholmondeston (158) Walgherton (159)

Chorlton (76) Willaston (1664)

Church Minshull (265) Worleston (370)

Doddington (66) Wybunbury (644)

Vaccination Officer } W. Sutton, 1b, Hospital Street, Nantwich.

Registrar }

District No. 2 (b)—Nantwich (b) (8597).

Alraham (436) Haughton (150)

Audlem (1346) Marbury-cum-Quoisley (282)

Bickerton (259) Newhall (645)

Broomhall (184) Norbury (271)

Buerton (421) Peckforton (161)

Bulkeley (120) Ridley (160)

Bunbury (910) Sound (243)

Calveley (270) Spurstow (333)

Cholmondeley (278) Wardle (140)

Chorley (162) Wettenhall (186)

Coole Pilate (52) Wirswall (158)

Dodcott-cum-Wilkesley (547) Woodcott (18)

Egerton (101) Wrenbury (589)

Hankelow (175)

Vaccination Officer—F. E. Davenport, 24, Wellington Rd., Nantwich.

Registrar—W. Sutton, 1b, Hospital Street, Nantwich.

District No. 3—Sandbach (21995).

Alsager U.D.	(2852)	Hassall	(318)
Sandbach U.D.	(8267)	Hulme Walfield	(61)
Arclid	(306)	Moreton	(130)
Betchton	(614)	Newbold Astbury	(546)
Bradwall	(242)	Odd Rode	(3307)
Brereton	(550)	Smallwood	(615)
Church Hulme	(1143)	Somerford	(102)
Church Lawton	(874)	Somerford Booths	(162)
Cranage	(475)	Swettenham	(279)
Elton	(161)	Tetton	(255)
Goostrey	(629)	Twemlow	(107)

Vaccination Officer } A. G. Skellern, Marriott House, Sandbach.
Registrar

AREA D—NORTHWICH.**District No. 1—Northwich (37756).**

Northwich U.D.	(20827)	Lach Dennis	(193)
Acton	(551)	Little Leigh	(422)
Allostock	(436)	Lostock Gralam	(1095)
Anderton	(329)	Marbury	(37)
Barnton	(3198)	Marston	(530)
Comberbach	(481)	Nether Peover	(200)
Crowton	(474)	Rudheath	(2728)
Cuddington	(1100)	Weaverham	(2714)
Hartford	(1424)	Wincham	(1017)

Vaccination Officer } S. S. Trevor, Winnington Hill, Northwich.
Registrar

District No. 2—Winsford (26454).

Middlewich U.D.	(5857)	Moulton	(1223)
Winsford U.D.	(11346)	Oakmere	(455)
Bostock	(156)	Rushton	(503)
Byley	(191)	Sproston	(210)
Darnhall	(228)	Stanthorne	(169)
Davenham	(1740)	Tarporley	(1382)
Delamere	(1114)	Utkinton	(586)
Little Budworth	(530)	Whatcroft	(119)
Marton	(500)	Wimboldsley	(145)

Vaccination Officer } O. Parry, Mayfield, St. George's Road, Winsford.
Registrar

AREA E—RUNCORN.**District No. 1—Stockton Heath (15376).**

Antrobus	(682)	Moore	(458)
Appleton	(1196)	Preston Brook	(397)
Daresbury	(319)	Stockton Heath	(6110)
Dutton	(546)	Stretton	(371)
Grappenhall	(2742)	Walton	(1301)
Great Budworth.. ..	(447)	Whitley	(510)
Hatton	(297)		
Vaccination Officer	} Mrs. E. Massey, 33, Fairfield Road, Stockton		
Registrar		Heath.	

District No. 2—Runcorn (34791).

Runcorn U.D.	(22587)	Kingsley	(1456)
Alvanley	(287)	Manley	(840)
Aston	(256)	Norley	(871)
Frodsham	(4703)	Norton	(158)
Halton	(1020)	Sutton	(631)
Helsby	(1982)		
Vaccination Officer	} H. V. Davies, Council Offices, Waterloo Road,		
Registrar		Runcorn.	

AREA F—HYDE.**District No. 1—Stalybridge (31515).**

Stalybridge M.B. ..	(24978)	Longdendale U.D. ..	(5145)
Tintwistle R.D. ..	(1392)		
Vaccination Officer	} N. Potts, Union Bank Chambers, Market Street,		
Registrar		Stalybridge.	

District No. 2—Hyde (32313).

Hyde M.B.	(32313)		
Vaccination Officer	} H. Morton, 30 Market Place, Hyde.		
Registrar			

District No. 3—Dukinfield (19385).

Dukinfield M.B. ..	(19385)		
Vaccination Officer	} G. R. Swindells, Town Hall, Dukinfield.		
Registrar			

AREA G—NORTH EAST CHESHIRE.**District No. 1—Bredbury (11690).**

Bredbury and Romiley U.D.	(11690)		
Vaccination Officer	—H. Whalley, Public Assistance Office, Shaw Heath, Stockport.		
Registrar	—E. Love, Council Offices, Bredbury.		

District No. 2—Hazel Grove (26880).

Hazel Grove and Bramhall U.D.	.. (13178)	Marple U.D.	.. .. (11088,
Vaccination Officer	} F. Arden, Council Offices, Hazel Grove.	Disley R.D.	.. .. (2614)
Registrar			

District No. 3—Cheadle (18535).

Cheadle and Gatley U.D.	(18535)		
Vaccination Officer	—J. H. Johnson, 77, High Street, Cheadle.		
Registrar	—W. S. Marsh, 11, Ashfield Road, Cheadle.		

AREA H—WIRRAL.**District No. 1—East Wirral (31877).**

Bebington M.B. .. (31877)

Vaccination Officer	}	A. Clough,* 218, Bebington Road, Bebington.
Registrar		

District No. 2—West Wirral (37255).

Hoyle U.D. (19745) Wirral U.D. (9599)

Neston U.D. (7911)

Vaccination Officer	}	J. R. Bird, 96b, Market Street, Hoyle.
Registrar		

AREA J—WEST CHESHIRE.**District No. 1 (a)—Chester Castle (a) † (20410).**

Hoole U.D. (5892)	Lea-by-Backford (165)
Aldford (347)	Lea Newbold (39)
Bache (62)	Ledsham (173)
Backford (124)	Little Saughall (304)
Barrow-by-Tarvin (910)	Little Stanney (170)
Bridge Trafford (50)	Littleton (336)
Buerton (61)	Lower Kinnerton (113)
Capenhurst (157)	Marlston-cum-Lache (60)
Caughall (13)	Mickle Trafford (263)
Chester Castle (228)	Mollington (350)
Christleton (997)	Moston (81)
Chorlton-by-Backford (82)	Picton (97)
Churton Heath (15)	Poulton (119)
Claverton —	Puddington (332)
Croughton (21)	Pulford (261)
Dodleston (247)	Rowton (168)
Dunham-on-the-Hill (316)	Saighton (347)
Eaton (143)	Shotwick (73)
Eccleston (291)	Shotwick Park (26)
Elton (252)	Stoke (101)
Great Boughton (1862)	Thornton-le-Moors (166)
Great Saughall (865)	Upton-by-Chester (2667)
Guilden Sutton (382)	Wervin (103)
Hapsford (112)	Wimbolds Trafford (73)
Hoole Village (162)	Woodbank (88)
Huntington (144)	

Vaccination Officer—	}	A. O. Davies, 7 & 8, Godstall Chambers, Chester
Registrar—		

District No. 1 (b)—Chester Castle (b) (23057).

Ellesmere Port U.D. (23057)

Vaccination Officer—A. Clough,* 218, Bebington Road, Bebington.

Registrar—A. O. Davies, 7 & 8, Godstall Chambers, Chester.

* Vaccination Officer for H 1 and J 1 (b).

† This district comprises Hoole U.D. and Chester R.D.

Area J—West Cheshire—*Continued.*

District No. 2—Tarvin Rural * (14388).

Agden	(75)	Hampton.. ..	(366)
Aldersey	(92)	Handley	(250)
Ashton	(430)	Harthill	(95)
Barton	(103)	Hatton	(132)
Beeston	(268)	Hockenhull	(21)
Bickley	(302)	Horton	(120)
Bradley	(136)	Horton-cum-Peel	(37)
Broxton	(507)	Huxley	(253)
Bruen Stapleford..	(114)	Iddinshall	(14)
Burton-by-Tarvin ..	(41)	Kelsall	(874)
Burwardsley	(298)	King's Marsh	(63)
Caldecott.. ..	(42)	Larkton	(37)
Carden	(151)	Macefen	(65)
Chidlow	(13)	Malpas	(1101)
Chorlton-by-Malpas ..	(90)	Mouldsworth	(194)
Chowley	(61)	Newton-by-Tattenhall ..	(198)
Church Shocklach ..	(162)	Newton-by-Malpas ..	(13)
Churton-by-Aldford ..	(191)	Oldcastle	(84)
Churton-by-Farndon ..	(145)	Overton-by-Malpas ..	(98)
Clotton Hoofield ..	(382)	Pryor's Heyes	(11)
Clutton	(56)	Shocklach Oviatt ..	(149)
Coddington	(95)	Stockton	(20)
Cotton Abbots	(11)	Stretton-by-Malpas ..	(79)
Cotton Edmunds ..	(65)	Tarvin	(1251)
Crewe-by-Farndon ..	(47)	Tattenhall	(1008)
Cuddington-by-Malpas..	(236)	Threapwood	(279)
Duddon	(194)	Tilston-by-Malpas ..	(347)
Duckington	(65)	Tilstone Fearnall ..	(118)
Edge	(238)	Tiverton	(525)
Edgerley	(11)	Tushingham	(234)
Farndon	(560)	Waverton	(479)
Foulk Stapleford ..	(205)	Wigland	(104)
Golborne Bellow ..	(103)	Willington	(167)
Golborne David.. ..	(84)	Wychough	(16)
Grafton	(13)		

Vaccination Officer } R. E. Blyth, Oakdene, Tattenhall.
 Registrar }

*This District is co-extensive with Tarvin Rural Sanitary District.

MEDICAL OFFICERS AND PUBLIC VACCINATORS OF PUBLIC ASSISTANCE INSTITUTIONS

CONGLETON	Dr. Henderson, Sandbach.
NANTWICH	Dr. Johnstone, Nantwich.
NORTHWICH	Dr. J. W. Craw, Northwich.
RUNCORN	Dr. C. E. W. Bower, Stretton.
TARVIN	Dr. H. L. W. Woodroffe, Chester.

REPORT OF THE
County Medical Officer of Health

For the Year ended December 31st, 1945

Section I.-Area and Population

Area

The acreage of the County at the end of 1945, was 622,746 acres.

Population

The population of the Administrative County, as enumerated at the Census of 1931, was 665,575. The estimate of the Registrar-General for mid-1945 was 733,370.

Rateable Value

The rateable value of the Administrative County of Cheshire for General County Rate purposes at 1/4/45 was £5,259,813. A penny rate over the whole County for 1945-46 represented the sum of £20,885 (estimated).

Section II.-Births and Deaths

The figures are for the Administrative County, 1945, unless otherwise stated.

Live Births :—

	Total.	Male	Female
Legitimate	11271	5876	5395
Illegitimate	961	507	454

Birth Rate per 1,000 of the estimated resident population, 16.7.

	Total.	Male	Female
Stillbirths	373	217	156
Stillbirths Rate per 1,000 total (live and still) births,	29.6.		

	Total.	Male	Female
Deaths	9021	4502	4519

Death Rate per 1,000 of population, 12.3.

The principal causes of death were as follows:—

Disease.	No. of Deaths.	Rate per million population.
Heart Disease	2558	3448
Cancer	1412	1925
Intra-cranial vascular lesions	978	1334
Pneumonia	328	447
Tuberculosis (all forms)	302	412
Pulmonary	255	348
Non-Pulmonary	47	64
Nephritis	293	400
Bronchitis	533	727

The deaths from the chief zymotic diseases were as follows:—

Disease.	No. of Deaths.	Rate per million population.
Diphtheria	8	11
Whooping Cough	15	20
Measles	13	18
Diarrhoea and Enteritis (under 2 years)	53	72
Scarlet Fever	1	1
Typhoid and Paratyphoid	—	—
Smallpox	—	—

The zymotic Death Rate was .12 per 1,000.

Infantile Mortality.

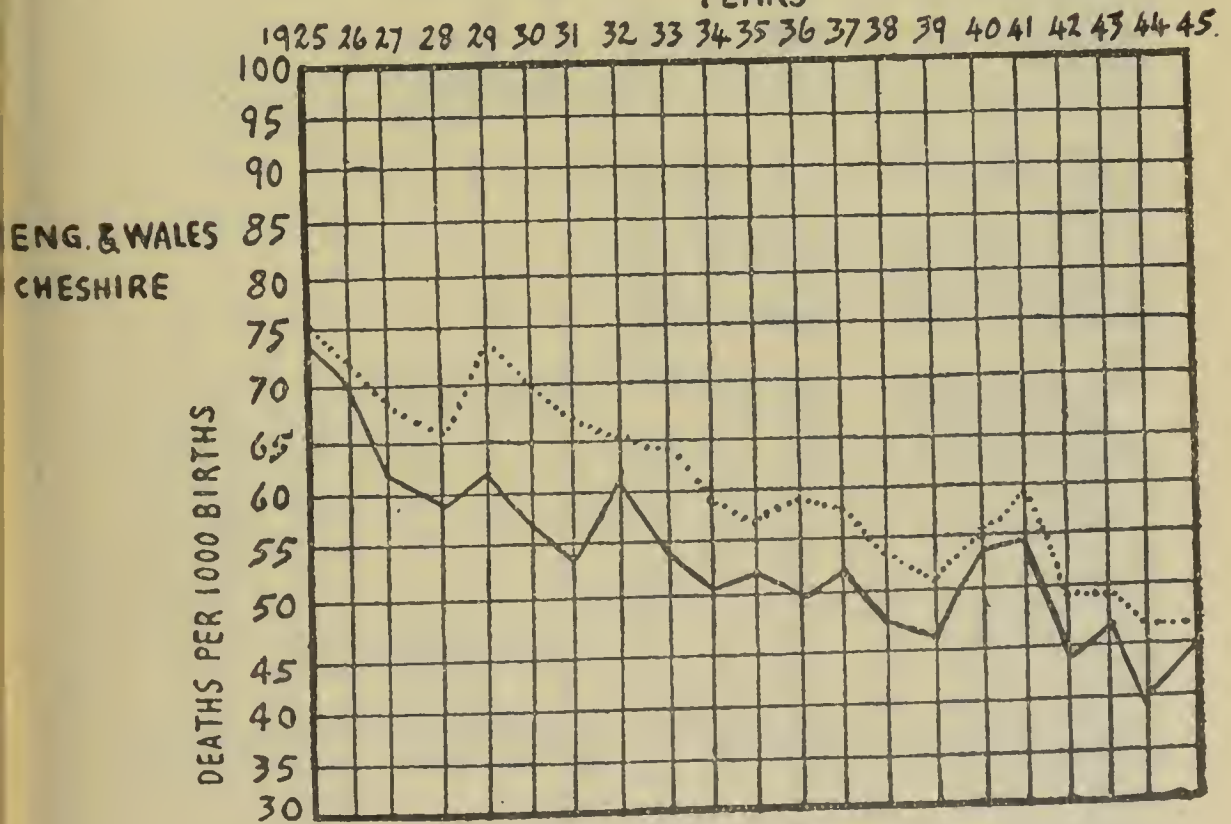
There have been 551 deaths of infants under 1 year in the Administrative County during 1945, i.e., 481 legitimate and 70 illegitimate. These figures show an infantile mortality as follows:—

All infants per 1,000 live births	45·0
Legitimate infants per 1,000 legitimate live births	42·7
Illegitimate infants per 1,000 illegitimate live births	72·8

The figures for recent years are shown in the following diagram:—

INFANTILE MORTALITY

YEARS



Deaths from Puerperal Causes:—

	Deaths.	Rate per 1,000 total (live and still) births.
Puerperal Sepsis	8	·63
Other Puerperal Causes	14	1·11
Total	22	1·74

Section III.-Infectious Diseases, etc.

Number of Cases notified during 1945

	Scarlet Fever	Whooping Cough	Measles	Diphtheria	Pneumonia	Dysentery	Smallpox	Typhoid Fever	Paratyphoid Fevers	Erysipelas	Cerebro-Spinal Fever
Altrincham M.B.	44	76	217	7	32	2	—	1	1	12	—
Bebington M.B.	202	56	314	19	26	1	—	—	—	5	4
Congleton M.B.	39	50	173	8	26	—	—	—	—	11	4
Crewe M.B.	108	51	181	40	7	—	—	—	—	3	6
Dukinfield M.B.	17	23	51	19	6	—	—	—	—	7	—
Hyde M.B.	52	3	244	3	14	—	—	—	—	4	—
Macclesfield M.B.	108	60	656	25	26	24	—	1	—	9	2
Sale M.B.	32	44	156	3	11	1	—	—	—	6	1
Stalybridge M.B.	12	59	171	5	9	—	—	—	—	5	1
Alderley Edge U.D.	6	5	18	—	4	—	—	—	—	—	1
Alsager U.D.	2	7	5	—	3	—	—	—	—	—	1
Bollington U.D.	5	47	51	—	2	—	—	—	—	3	—
Bowdon U.D.	1	—	33	—	—	—	—	—	—	2	—
Bred. and Rom. U.D.	105	14	150	5	3	2	—	—	—	3	—
Cheadle and Gat. U.D.	54	48	275	4	15	5	—	—	—	5	—
Ellesmere Port U.D.	257	—	276	19	2	—	—	—	—	6	1
Hale U.D.	3	1	50	2	1	—	—	—	—	3	—
Hazel Grove and Bramhall U.D.	18	9	119	5	4	1	—	—	—	2	2
Hoole U.D.	15	9	119	1	6	—	—	—	—	—	1
Hoylake U.D.	75	16	197	25	9	13	—	1	—	3	4
Knutsford U.D.	5	19	128	10	—	—	—	—	—	—	—
Longdendale U.D.	7	18	63	2	11	—	—	—	—	1	—
Lymm U.D.	8	—	2	—	—	—	—	—	—	2	—
Marple U.D.	25	30	113	23	5	—	—	—	—	2	—
Middlewich U.D.	9	4	96	—	1	—	—	—	—	4	—
Nantwich U.D.	37	10	8	—	—	—	—	—	—	1	—
Neston U.D.	13	1	15	3	2	—	—	—	—	1	—
Northwich U.D.	20	14	101	1	6	1	—	—	—	4	—
Runcorn U.D.	57	10	7	11	17	—	—	—	—	6	—
Sandbach U.D.	26	3	22	2	1	—	—	—	—	2	—
Wilmslow U.D.	12	27	239	2	8	1	—	—	—	—	—
Winsford U.D.	5	5	25	2	4	—	—	—	—	2	—
Wirral U.D.	34	6	205	11	6	2	—	—	—	4	—
Bucklow R.D.	9	25	89	8	3	—	—	—	—	1	2
Chester R.D.	17	15	142	6	11	1	—	—	—	7	—
Congleton R.D.	34	10	14	2	7	—	—	—	1	2	—
Disley R.D.	—	14	10	1	1	1	—	—	—	1	—
Macclesfield R.D.	36	36	346	13	8	4	—	—	—	3	2
Nantwich R.D.	81	55	123	1	14	—	—	—	—	8	—
Northwich R.D.	42	35	270	3	5	—	—	—	—	2	—
Runcorn R.D.	56	72	134	19	17	—	—	—	—	3	2
Tarvin R.D.	24	89	235	5	32	2	—	1	—	1	2
Tintwistle R.D.	2	5	70	—	—	—	—	—	1	—	—

TABLE 1.—INFECTIOUS DISEASE OTHER THAN SMALLPOX

Area	County Districts.	Hospital Authority.	Situation of Hospital.	Accommodation		
				Blocks	Wards	Beds
1	Sale M.B. Ald'ley Edge U.D. Hale U.D. Knutsford U.D. Wilmslow U.D. Bucklow R.D. Cheadle and Gatley U.D. Altrincham M.B. ^b Bowdon U.D. Lymm U.D. ^c	N. Ches. J.H.B. ^a ^a Beds for Districts in Board's Area provided by agreement with Manchester except where indicated ^b Continues separate provision, also serves Bowdon ^c Agree. with Warrington	Monsall, Manchester	—	—	45
			Sinderland Rd., Altrincham. Warrington.	4	8	34
				(As required).		
2	Hoole U.D. ^d Tarvin R.D. ^d	^d Agree. with Chester, including smallpox	Sealand Rd., Chester.	—	—	4 ^d 8 ^d
3	Congleton M.B. Alsager U.D. Sandbach U.D. Congleton R.D.	Congleton and District J.H.B. ^e ^e Includes Biddulph (6 beds)	West Heath, Congleton.	4	11	45 ^e
4	Crewe M.B.		Crewe.	4	12	40
5	Runcorn U.D.		Weston Rd., Runcorn.	2	4	32
6	Runcorn R.D.		Preston Brook.	3	9	36
7	Hyde M.B. ^f Dukinfield M.B. Stalybridge M.B. Bredbury and Romiley U.D. Hazel Grove and Bramhall U.D. Marple U.D. Disley R.D. Longd'd'le U.D. ^g Tintwistle R.D. ^g	^f All other Authorities have made agreements with Hyde ^g Provisional agreement only. See also under Table 2.	Back Bower Lane, Hyde.	4	22	50 *
				* Shared with Denton, Mossley, Audenshaw and Ashton-u-Lyne, who are entitled to 20 beds		
8	Macclesfield M.B. ^h Bollington U.D. Macclesfield R.D.	^h The other two Authorities have agreements with Macclesfield M.B.	Moss Lane, Macclesfield.	4	10	66 (One cubicle).
9	Nantwich U.D. Nantwich R.D.	Nantwich J.H.B.	Alvaston, Nantwich.	3	6	41 (including 22 cots)
10	Middlewich U.D. Northwich U.D. Winsford U.D. Northwich R.D.	Northwich and District J.H.B. Wirral J.H.B.	Davenham.	4	12	50
11	Bebington M.B. Ell'm're P't U.D. Hoylake U.D. Neston U.D. Wirral U.D. Chester R.D.		Clatterbridge.	6	15	105

TABLE 2.—SMALLPOX

Area	Bucklow R.D.	Hospital Authority.	Situation of Hospital.	Accommodation		
				Blocks	Wards	Beds
1	Sale M.B. Ald't'y Edge U.D. Hale U.D. Knutsford U.D. Wilmslow U.D. County Districts. Altrincham M.B. Bowdon U.D. Cheadle and Gatley U.D. Lymm U.D. ^b	N. Ches. J.H.B. ^a ^a Beds for Districts in Board's Area provided by agreement with Manchester except where indicated ^b Agree. with Warrington	Clayton, Manchester. Warrington.	(As required)		
2	Congleton M.B. Alsager U.D. Sandbach U.D. Congleton R.D. Crewe M.B. ^c	Congleton and District S.P.J.B. ^c Contracts with Board for 6 Beds	Arclid, Sandbach.	2	2	12
3	Hoole U.D. ^d Tarvin R.D. ^d	^d Agree. with Chester	Sealand Rd., Chester.	(As required— see Table 1)		
4	Hyde M.B. ^e Dukinfield M.B. Bredbury and Romiley U.D. Hazel Grove and Bramhall U.D. Marple U.D. Disley R.D. Longd'd'le U.D. ^f Tintwistle R.D. ^f	^e All other Authorities (except Tintwistle and Longdendale) have made agreements with Hyde ^f Hollingworth, Mottram and Tintwistle J.C. ^g Agree. with Congleton and District. S.P.J.B.	Old Road, Hyde. Carrhouse Lane, Mottram.	2	6	48*
5	Mac'sfield M.B. ^g Bollington U.D. ^g Mac'sfield R.D. ^g			* Shared with Denton, Droylsden, Stockport & Rochdale, who are entitled to 9 beds. See also under Area 5.		
6	Nantwich U.D. Nantwich R.D.	Nantwich J.H.B.	Ravensmoor, Nantwich.	1	2	6
7	Middlewich U.D. Northwich U.D. Winsford U.D. Northwich R.D.	Northwich and District J.H.B.	Marbury, Northwich.	3	9	15
8	Runcorn U.D. ⁱ Runcorn R.D. ⁱ	ⁱ Agree. with Warrington	Warrington.	(As required)		
9	Bebington M.B. Ellesmere Port Ell'm're P't U.D. Hoylake U.D. Neston U.D. Wirral U.D. Chester R.D.	Wirral J.H.B. ^j ^j Agree. with Liverpool	Liverpool Port Sanitary Hospital, New Ferry (and others in Liverpool).	(As required)		
10	Stalybridge M.B. ^k	^k Member of Ashton, etc. J.S.P.H.B.	Ashton-u-Lyne	(As required)		

AMBULANCES

All cases of infectious disease are dealt with by the ambulances attached to the various Isolation Hospitals.

Apart from infectious cases the following are the arrangements in force in the County (excluding Civil Defence):—

Altrincham Borough	Three motor ambulances.
Bebington Borough	Two motor ambulances attached to Port Sunlight Hospital; Council makes annual payment.
Congleton Borough	One motor ambulance.
Crewe Borough	Three motor ambulances.
Dukinfield Borough	Make use of Hyde Ambulance.
Hyde Borough	Four motor ambulances.
Macclesfield Borough	Three motor ambulances.
Sale Borough	Two motor ambulances.
Stalybridge Borough	One motor ambulance.
Alderley Edge Urban	One motor ambulance.
Alsager Urban	One motor ambulance.
Bollington Urban	Have arrangement with Macclesfield Corporation.
Bowdon Urban	Two motor ambulances jointly with Hale.
Bredbury Urban	Arrangement with Hyde Corporation.
Cheadle Urban	Two motor ambulances provided by St. John and Red Cross.
Ellesmere Port Urban	Two motor ambulances.
Hazel Grove Urban	Arrangement with Stockport Corporation.
Hoole Urban	Standing Joint Committee has arrangement with Chester City.
Hoylake Urban	Two motor ambulances.
Knutsford Urban	Agreement with Altrincham.
Longdendale Urban	Arrangement with Hyde.
Lymm Urban	Agreement with Altrincham.
Marple Urban	Arrangement with Stockport.
Middlewich Urban	Make use of ambulances from Northwich.
Nantwich Urban	Maintain an ambulance jointly with Rural District.
Neston Urban	One motor ambulance.
Northwich Urban	Two motor ambulances.
Runcorn Urban	Council subsidise a private firm for the use of a motor ambulance.
Sandbach Urban	An annual sum is paid for the use of two St. John motor ambulances.

Wilmslow Urban	One motor ambulance.
Winsford Urban	One motor ambulance; also made use of Red Cross ambulance.
Wirral Urban	One motor ambulance.
Bucklow Rural	Agreement with Altrincham.
Chester Rural	Standing Joint Committee has agreement with Chester City.
Congleton Rural	Make use of Sandbach ambulances.
Disley Rural	Have services of Stockport ambulance
Macclesfield Rural	Agreement with Macclesfield Borough.
Nantwich Rural	Maintain an ambulance jointly with Urban District.
Northwich Rural	Make use of the ambulances from Northwich.
Runcorn Rural	One motor ambulance.
Tarvin Rural	Standing Joint Committee has agreement with Chester City.
Tintwistle Rural.	Utilise the Hyde ambulance.

The Standing Joint Committee pays an annual sum of £100 for the use of Chester City Ambulances within a 10-mile radius.

The ambulances at Clatterbridge County Hospital serve the districts from which patients are conveyed to that Institution.

Section IV.-Venereal Diseases

The following information is compiled from the returns supplied by the treatment centres used by County patients in 1945:—

Institution.	Persons attending for first time at Out-Patient Clinic suffering from				Total attendances at Out-Patient Clinic.
	Syphilis.	Soft Chancre	Gonorrhœa.	Non-Venereal conditions.	
Ashton-under-Lyne Infirmary ...	23	—	21	30	1392
Birkenhead Hospital ...	6	1	41	48	1627
Chester Royal Infirmary ...	32	—	36	49	1432
Crewe Herdman Street Clinic ...	35	—	66	120	4791
Grimaby Treatment Centre ...	—	—	—	1	1
Liverpool Mill Road Infirmary ...	—	1	1	8	78
Liverpool Royal Infirmary ...	4	—	12	24	477
Liverpool Seamen's Dispensary...	1	—	16	33	347
Macclesfield West Park Clinic ...	37	—	37	91	4245
Manchester Ancoats Hospital ..	—	—	9	16	181
Manchester Royal Eye ..	7	—	—	—	549
Manchester Royal Infirmary ...	19	—	17	61	1189
Manchester Skin Hospital ...	16	—	2	11	544
Manchester St. Luke's ...	11	—	31	70	999
Manchester St Mary's ..	7	—	4	25	360
Oldham Royal Infirmary ...	—	—	1	—	2
Salford Borough Hospital ..	4	—	10	25	550
Stockport Clinic ...	16	—	21	88	1469
Stoke-on-Trent Clinic ...	—	—	2	8	54
Stoke-on-Trent, North Staffs. ...	6	—	12	12	977
Infirmary					
Warrington Borough Hospital ..	1	—	2	2	62
Warrington Infirmary ...	12	—	33	21	1052
TOTALS ...	237	2	374	743	22378

REGULATION 33b.

Contacts notified to the Medical Officer of Health during the period 1st January, 1945 to 31st December, 1945.

	M.	F.
(1) (a) Total number of contacts in respect of whom form 1 was received	1	56
(b) Number in (a) transferred from other areas	0	3
(2) Number of cases in (1) in which attempts were made during the current period outside the scope of the Regulation to persuade the contact to be examined before the latter had been named on a second Form 1:—		
Contacts found	1	31
Contacts examined or already under treatment	1	29
(3) (a) Number of those in (1) in respect of whom two or more Forms 1 were received	0	5
(b) Number included in (3) (a) in respect of whom the first Form 1 was previously reported under (1)	0	5
(c) Number included in (3) (a) transferred from other areas	0	1
(4) Number of those (3) (a) who were:—		
(a) found	0	3
(b) examined after persuasion or already under treatment	0	3
(c) served with Form 2	0	2
(d) examined after service of Form 2	0	2
(e) prosecuted for failure:—		
(i.) to attend for, and submit to, medical examination	0	0
(ii.) to submit to and continue treatment	0	0
(f) transferred to other areas	0	0

Section V.-Tuberculosis, etc.

Statistics

The annual tuberculosis returns for the Ministry of Health were in great part eliminated. For the sake of continuity, however, the main figures for the year under review and the two previous years are set out for comparison:—

	1945	1944	1943
New cases notified (primary)			
Pulmonary ...	480	512	465
New cases notified (primary)			
Non-pulmonary ...	189	222	220
	<hr/>	<hr/>	<hr/>
Total ...	669	734	685
	<hr/>	<hr/>	<hr/>
No of cases remaining on Registers of Notifications kept by District M.O's.H., December 31st. ...	5415	5732	5432
No. of Deaths from all forms of Tuberculosis ...	302	332	339
Death-rate from all forms of Tuberculosis per 1,000 of the population	0·41	0·45	0·46
New Applicants for Treatment	418	437	448
No. of Cases on Dispensary Registers, 31st December	5894	5803	5530

The following table shows the number of insured (including discharged service cases) and uninsured persons who have received treatment during the years 1936-45:—

YEAR.	INSURED.		UNINSURED.		TOTAL.
	Males.	Females.	Males.	Females.	
1936	455	183	277	335	1250
1937	498	208	294	344	1344
1938	487	227	280	347	1341
1939	507	220	244	281	1252
1940	509	209	168	238	1124
1941	490	204	157	222	1073
1942	506	185	151	201	1043
1943	451	193	160	209	1013
1944	424	199	131	185	939
1945	450	202	105	202	959

Number of new applications for treatment under the County Tuberculosis Scheme during the years 1936-1945:—

YEAR.	Dis- CHARGED SERVICE CASES	INSURED.	UNINSURED.	TOTAL.
1936	—	268	246	514
1937	1	309	298	608
1938	—	281	294	575
1939	1	306	228	535
1940	7	314	193	514
1941	34	263	163	460
1942	34	245	157	436
1943	44	251	153	448
1944	69	218	150	437
1945	42	228	148	418

Table relating to Tuberculosis in children under 16:—

Year.	Number of Children notified as suffering from Pulmonary Tuberculosis.	Number of Children notified as suffering from Non-Pulmonary Tuberculosis.	Percentage of Total Notifications.	
			Pulmonary.	Non-Pulmonary.
1936	26	167	5·4	61·2
1937	25	193	5·0	65·7
1938	32	185	6·1	66·8
1939	24	181	5·6	65·4
1940	25	136	5·3	68·0
1941	17	146	3·3	65·8
1942	21	149	4·6	58·4
1943	17	126	3·7	57·3
1944	20	143	3·9	64·4
1945	14	124	2·9	65·6

Beds Occupied.

The number of beds occupied in institutions other than the Cheshire Joint Sanatorium or Wrenbury Hall at 1st April, was as follows:—

Year.	Beds occupied.
1935	205
1936	206
1937	226
1938	229
1939	229
1940	175
1941	174
1942	173
1943	155
1944	148
1945	161
1946	151

Statement shewing number of patients who received institutional treatment during 1945:—

Institution	Adults		Child- ren under 16	Total	Average number of beds occupied	Average period in residence	
	Males	Fe- males				Wks.	Days
SANATORIA							
Cheshire Joint Sanatorium ..	188	158	—	346	124·76	18	6
Wrenbury Hall ..	90	—	—	90	23·95	13	6
Liverpool Sanatorium..	36	29	—	65	19·16	15	3
Nab Top Sanatorium ..	1	1	1	3	1·38	24	0
Crossley Sanatorium ..	2	3	—	5	2·38	24	5
Cleaver Sanatorium ..	—	2	—	2	1·13	29	4
Mundesley Sanatorium ..	1	9	—	10	2·88	15	0
Preston Hall Sanatorium ..	—	1	—	1	·10	5	1
Nayland Sanatorium ..	—	3	—	3	1·90	33	0
Llanbedr Hall ..	3	2	—	5	3·75	39	1
Barrowmore Hall ..	3	—	—	3	1·67	29	4
Papworth Hall ..	—	1	—	1	·48	24	6
Grassington Sanatorium ..	1	—	—	1	·21	10	6
Pendyffryn Hall ..	2	1	—	3	1·12	19	4
Middleton Sanatorium ..	1	—	—	1	·27	14	1
Warrington Sanatorium ..	13	15	—	28	10·59	19	5
Total ..	341	225	1	567	195·73	21	1
PULMONARY HOSPITALS							
Hyde Pavilion ..	85	—	—	85	29·92	18	2
Baguley Sanatorium ..	10	12	—	22	9·91	23	3
Brompton Hospital ..	—	1	—	1	·72	37	5
Total ..	95	13	—	108	40·55	26	3
GENERAL HOSPITALS							
Congleton Memorial Hospital	2	—	2	4	·49	6	3
Albert Infirmary, Winsford ..	—	1	5	6	1·45	12	5
Ashton-u-Lyne Infirmary ..	—	—	3	3	·09	1	4
Macclesfield General Infirmary	—	—	2	2	·21	5	3
Manchester Royal Infirmary ..	2	4	2	8	·39	2	4
Altrincham General Hospital..	—	4	9	13	·87	3	3
Liverpool Royal Infirmary ..	3	—	—	3	·22	3	6
Royal Liverpool (Heswall) ..	—	—	11	11	2·29	10	6
Northwich Infirmary ..	—	—	5	5	·36	3	5
Stockport Infirmary ..	1	—	—	1	·04	2	2
Liverpool Southern Hospital	—	1	—	1	·01	—	5
Warrington Infirmary..	—	—	4	4	·07	—	6
Liverpool Northern Hospital	—	—	1	1	·04	2	2
Total ..	8	10	44	62	6·53	4	3
ORTHOPAEDIC HOSPITALS							
Leasowe Open-Air Hospital ..	—	13	31	44	24·45	29	0
Oswestry Orthopaedic Hospital	18	17	22	57	25·94	23	5
Hartshill Orthopaedic Hospital	4	8	7	19	3·65	10	0
Marple Orthopaedic Hospital	—	—	6	6	4·19	36	3
Total ..	22	38	66	126	58·23	24	6
CONVALESCENT HOMES							
Wm. & John Jones Conv. Home	—	—	1	1	1·00	52	1
Total ..	—	—	1	1	1·00	52	1
SKIN HOSPITALS							
Manchester & Salford ..	—	1	—	1	·14	7	2
Total ..	—	1	—	1	·14	7	2
TOTAL ALL INSTITUTIONS	466	287	112	865	302·18	22	5

Table showing primary notifications and deaths from Tuberculosis since 1st February, 1913, when compulsory notification began in Cheshire.

Year	Primary notifications		Deaths	Death rate per 1,000 population	
	Form A				
1913	..	1224	..	651	.. 1·04
1914	..	1293	..	655	.. 1·05
1915	..	1001	..	677	.. 1·12
1916	..	999	..	677	.. 1·18
1917	..	770	..	671	.. 1·18
1918	..	770	..	744	.. 1·35
1919	..	789	..	592	.. ·98
1920	..	892	..	578	.. ·92
1921	..	908	..	527	.. ·83
1922	..	786	..	550	.. ·86
1923	..	850	..	488	.. ·76
1924	..	1016	..	512	.. ·79
1925	..	883	..	510	.. ·78
1926	..	939	..	489	.. ·73
1927	..	892	..	488	.. ·73
1928	..	932	..	499	.. ·74
1929	..	917	..	465	.. ·69
1930	..	838	..	438	.. ·64
1931	..	802	..	438	.. ·64
1932	..	751	..	460	.. ·66
1933	..	754	..	389	.. ·57
1934	..	765	..	377	.. ·54
1935	..	739	..	367	.. ·52
1936	..	752	..	348	.. ·49
1937	..	799	..	373	.. ·52
1938	..	802	..	360	.. ·49
1939	..	709	..	358	.. ·48
1940	..	674	..	403	.. ·52
1941	..	740	..	402	.. ·52
1942	..	713	..	302	.. ·40
1943	..	685	..	339	.. ·46
1944	..	734	..	332	.. ·45
1945	..	669	..	302	.. ·41

The 1945 deaths are made up as follows:—

	Male.	Female.	Total.
Pulmonary ..	163	92	255
Non-Pulmonary ..	21	26	47
	<hr/>	<hr/>	<hr/>
	184	118	302
	<hr/>	<hr/>	<hr/>

Death Rates, 1945.

All forms, ·41 per 1000 of population.
Pulmonary, ·35 per 1000 of population.
Non-Pulmonary, ·06 per 1000 of population.

Summary of Notifications during the period from the 1st January, 1945, to the 31st December, 1945

Formal Notifications

Age Periods	Number of Primary Notifications of new cases of tuberculosis											Total (all ages)	Total Notifications
	0-	1-	5-	10-	15-	20-	25-	35-	45-	55-	65-		
Pulmonary Males	—	2	4	2	30	38	63	76	52	38	6	311	351
„ Females	—	—	3	3	24	44	46	24	8	13	4	169	193
Non-pulmonary Males	—	14	29	14	5	3	4	3	3	2	—	77	82
„ Females	2	18	34	13	11	8	6	6	7	6	1	112	116

SUPPLEMENTAL RETURN

New Cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the above-mentioned period, otherwise than by formal notification

Age Periods	0-	1-	5-	10-	15-	20-	25-	35-	45-	55-	65-	Total
Pulmonary Males	—	—	—	1	2	9	18	11	7	7	3	58
„ Females	2	—	—	—	1	4	19	5	3	2	1	37
Non-pulmonary Males	—	5	1	2	2	—	—	—	2	1	1	14
„ Females	—	3	3	—	1	2	5	2	—	6	2	24

The source or sources from which information as to the above-mentioned cases was obtained are stated below:—

Source of Information		No. of Cases	
		Pulmonary	Non-Pulmonary
Death Returns	{ From Local Registrars	25	13
	{ Transferable deaths from Registrar General	10	14
Posthumous notifications	—	3	1
“Transfers” from other areas (other than transferable deaths)	—	57	10
Other Sources	—	—	—

FINANCIAL ASSISTANCE—MEMO. 266/T.

During the year 1945, 183 maintenance and 63 other awards were made by the Care Inter-Sub-Committee, while 140 maintenance and 52 other awards ceased.

At the end of the calendar year 1945, there were 153 maintenance and 55 other awards being paid to County patients.

At the end of the financial year 1945/46, there were 148 maintenance and 57 other awards being so paid.

COUNTY PUBLIC HEALTH LABORATORY

Specimens examined in the County Public Health
Laboratory during the year 1945 for:—

<i>Sanatoria—</i>	Neg.	Pos.
Wrenbury Hall	290	143
Borough Hospital, Hyde (Tuberculosis Pavilion)	42	84

Other Institutions—

Altrincham General Hospital	12	1
David Lewis Colony, Warford	3	1
Ellesmere Port and District Hospital ...	9	
Hoylake Cottage Hospital	2	
Macclesfield General Infirmary	4	1
Nantwich Cottage Hospital	1	
Port Sunlight Hospital	2	
West Park Hospital, Macclesfield	121	11
Parkside Hospital, Macclesfield	3	

Districts outside the County—

Derbyshire County Council	1
Stockport County Borough	3
Flintshire County Council	1
Chester County Borough	1

Total Number of Specimens Examined during the Year 1945.

	Neg.	Pos.
Sputa for T.B. Examination (18.78 per cent. positive)	2335	540
Pleuritic Specimens	17	3
Urines	2	2
Pus	10	1
Faeces	1	
Hair for Ringworm	2	
Cultures for Tubercle Bacilli	83	7
Concentration Method, Patients' Sputa for T.B.	54	4
Milk, Bulk Samples, Microscopic Examinations for T.B.	4	
	<hr/> 2508	<hr/> 557
Total number examined	3065	
Milks examined by Reductase Test ...	12726	
(Failed 1586, Satisfactory 11140)		
Milks examined by Coliform Test ...	9381	
Milks examined by Phosphatase Test	219	
Milks examined by Plate Count	138	
Total number of examinations made	<hr/> 25529	

Orthopaedic Clinics

The following table shows the attendances at the Clinics (excluding those made for sunlight treatment only):—

Clinic	On registers 1/1/45	Admitted 1945	Dis- charged 1945	On registers 31/12/45	Attend- ances
Alderley Edge..	3	1	1	3	1
Altrincham ..	6	—	1	5	24
Chester ..	16	1	4	13	47
Congleton ..	7	4	2	9	34
Crewe ..	41	5	7	39	233
Ellesmere Port	6	3	—	9	15
Hoylake ..	5	1	1	5	7
Hyde ..	3	—	—	3	39
New Ferry ..	4	—	—	4	10
Northwich Infirm.	—	5	4	1	203
Northwich Parkfield	24	1	8	17	44
Runcorn ..	5	3	—	8	15
Stockton Heath	2	—	—	2	8
Total ..	122	24	28	118	680

Artificial Sunlight Treatment

The following table shows the attendances made at various clinics by tuberculous patients:—

Clinic	On registers 1/1/45	Admitted 1945	Dis- charged 1945	On registers 31/12/45	Attend- ances
Altrincham Hosp.	10	12	7	15	482
Hyde Clinic ..	2	3	2	3	61
Liverpool, Belmont Rd. Hospital	3	2	1	4	238
Macclesfield Infirmary	—	2	2	—	35
Manchester & Salford Skin Hospital	37	7	4	40	550
Northwich Infirm.	—	8	6	2	204
Warrington Infirm.	4	4	2	6	171
Total ..	56	38	24	70	1741

Statement giving Particulars of Public Health Laboratory

From Patients for T.B..

YEAR	Sputa		Urines		Glands		Pleural Effusions		Pus.		Hair for Ring-worm		Fæces		Cultures		Total
	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	
1936	545	2086	...	4	...	...	...	4	...	3	...	...	...	2	...	..	2644
1937	577	2327	...	5	...	...	...	5	...	6	3	1	..	1	...	..	2925
1938	688	2333	...	8	...	...	...	3	1	6	...	1	...	3	..	...	3043
1939	602	2192	1	4	1	1	1	6	1	15	...	...	...	1	...	...	2825
1940	634	2496	...	10	...	1	...	18	1	9	...	1	...	1	18	153	3342
1941	594	2571	...	2	...	...	...	16	1	4	11	8	...	1	10	278	3496
1942	549	2774	...	4	...	...	1	9	1	6	4	9	...	...	13	310	3680
1943	591	3021	1	4	...	...	1	19	...	7	1	5	...	...	11	232	3893
1944	548	2651	1	2	...	...	1	15	1	14	1	6	1	...	17	182	3440
1945	540	2335	2	2	...	...	3	17	1	10	...	2	...	1	7	83	3003

Specimens Examined in County during the Years 1936 to 1945

From Cows for T.B.				Milks examined by Reductase Test	Milks examined by Coliform Test	Milks examined by Phosphat- ase Test	Milks examined by Plate Count	Total Number of Specimens examined	Concentra- tion Method Patients' Sputa.		Total Number of Examina- tions made
Milk		Sputa							Pos.	Neg.	
Pos.	Neg.	Pos.	Neg.								
71	928	7	1	...	...	...	...	3751	27	611	4389
35	892	7	4	...	...	...	...	9433	25	324	9782
58	549	4	...	12088	12088	...	...	27830	62	277	28169
28	1802	...	...	12354	12225	...	...	29234	19	41	29294
9	1228	...	...	12517	12517	...	...	29613	10	156	29779
1	104	...	...	11132	9000	16	16	23765	17	268	24050
2	115	...	...	12376	8611	2	22	24808	11	310	25129
4	154	...	...	13467	7044	12	12	24586	11	212	24809
1	182	...	...	12400	6294	...	3	22320	9	161	22490
..	4	...	...	12726	9381	219	138	25471	4	54	25529

Section VI.-Maternity and Child Welfare

Area

The County area, for the purpose of the Midwives Acts and inspection of Nursing Homes (see Part A of this Section) comprises the whole of the Administrative County, but for Maternity and Child Welfare and Child Life Protection (see Part B of this Section) excludes the Boroughs of Altrincham, Bebington, Crewe, Hyde, Macclesfield and Stalybridge, also the Urban Districts of Ellesmere Port, Hale and Knutsford.

A.

Number of Midwives in Practice

There were 374 midwives who notified their intention to practise in the County Area during 1945.

County Midwives	70
District Nursing Association	124
Independent Midwives	59
Midwives living outside the County area	9
In Institutions and Nursing Homes	112

Inspection of Midwives

Visits paid by Assistant Supervisor of Midwives—

Inspection of County Midwives	290
Inspection of Independent Midwives	70

Cases visited—

Labours	11
Nursings	299
Antenatal	384
Postnatal	84
Pupil Midwives	6
Lectures to Pupils and Midwives	5

Details of County Midwives' Attendance at Cases.

LIVE-BIRTHS.		STILL-BIRTHS.		Mis- CARRIAGES.
With a Doctor.	Without a Doctor.	With a Doctor.	Without a Doctor.	
1267	2125	54	17	134

Notifications received (Central Midwives Board Rules)

Medical Aid	1896
Stillbirths	42
Laying out of the Dead	32
Source of Infection	12
Artificial Feeding	127

Nursing and Maternity Homes

Number on the Register at the end of 1945 ...	48
Number of inspections during 1945	59
Number of new Homes registered in 1945 ...	2

B.**Home Helps**

During 1945 home helps have been provided in 85 homes,
Domestic helps were supplied in 11 cases.

Puerperal Pyrexia, etc.

62 cases of Puerperal Pyrexia were notified, and 11 of these cases were already in Hospital.

There were 3 cases of Puerperal Fever notified and one of these was removed to Hospital.

Consultants

In 47 cases the advice and help of a consultant have been obtained for difficulties in labour or any abnormality during the puerperium.

Ophthalmia

There have been 38 cases of inflammation of or discharge from the eyes of new-born babies. 23 of the cases were only slight. 18 of the cases were notified as Ophthalmia Neonatorum.

The following is a description of the slight cases:—

One eye affected	12
Both eyes affected	11

Severe cases:—

One eye affected	6
Both eyes affected	9

Eight of the above cases were treated in Hospital and 5 attended by Health Visitors. All the cases made good recoveries.

Maternal Mortality (per 1,000 live and stillbirths).

The maternal mortality rate for 1945 was 1.74, being .63 for puerperal sepsis and 1.11 from other causes.

Maternity Hospitals and Homes

During 1945 there have been 869 mothers who, through the help of the County Maternity and Child Welfare Committee, have had their confinements in a Maternity Hospital or Home. (For confinements in Clatterbridge and West Park County General Hospitals, see pp. 75 and 88).

The confinements have taken place in the following Institutions:—

Ashton-under-Lyne District Infirmary	8
Chester City Hospital	263
Crewe Maternity Home	2
Heswall Nursing Home	41
Glossop Maternity Home	5
Liverpool Maternity Hospital	52
Longton Cottage Hospital	24
St. Mary's Hospital, Manchester	121
Sale War Memorial Hospital	36
Southfields, Bowdon	207
Victoria Park, Warrington	50

Child Life Protection.

Number of Foster Parents on the Register, 1945 ... 49

Number of Children on the Register, 1945 71

No child died during the year.

Ante-Natal and Post-Natal Clinics.

	Number of Sessions	Number of Expectant Mothers (New Cases)	Number of Post-Natal Cases
Congleton	153	55
Hoole	76	31
Runcorn	497	39
Sale	149	17

During 1945 there were 1,936 expectant mothers examined by their own doctors under the County Scheme.

Dental Report, 1945.

Expectant mothers inspected	63
Expectant mothers selected	61
Expectant mothers treated	58
Permanent teeth extracted	313
Permanent teeth filled	32
Upper dentures fitted	32
Lower dentures fitted	28
Other operations	47

LIST OF INFANT WELFARE CENTRES, 1945.

Centre.	Weekly or Fortnightly.	Day of Centre.	Consul- tations held.	Average Attend- ances.	Total Attend- ances.
Adswood ... (Opened 1944)	1st and 3rd Mondays	Monday	240	25	581
Alderley Edge ...	Weekly	Friday	445	38	1908
Alsager ...	Fortnightly	Tuesday	390	56	1464
Audlem ...	1st and 3rd Tuesdays	Tuesday	116	21	506
Bollington ...	Fortnightly	Thursday	442	42	1096
Bowdon ...	Fortnightly	Thursday	285	21	559
Bramhall ...	Fortnightly	1st and 3rd Monday	219	33	701
Bredbury ...	Weekly a.m. & p.m.	Tuesday	917	57	2911
Cheadle ...	Fortnightly	Tuesday	805	78	2891
Cheadle Hulme ...	Fortnightly	Tuesday	632	58	1466
Congleton ...	Weekly	Monday	924	41	2043
Disley ...	Fortnightly	Tuesday	297	36	901
Dukinfield ...	Twice weekly a.m. & p.m.	Wednesday & Thursday	1564	70	7377
Frodsham ...	Fortnightly	Tuesday	301	44	1121
Grappenhall ...	Fortnightly	Monday	295	73	1697
Handforth ...	Fortnightly	2nd and 4th Mondays	348	27	664
Haslington ...	Fortnightly	Tuesday	188	40	1005
Hazel Grove ...	Weekly	Thursday	754	60	2905
Helsby ...	Fortnightly	Tuesday	204	33	732
Heswall ...	Fortnightly	Monday	242	68	1782
High Lane ...	Fortnightly	Tuesday	301	26	677
Hollingworth ...	Fortnightly	Thursday	167	32	799
Hoole ...	Weekly	Tuesday	867	58	3522
Hoylelake ...	Weekly	Thursday	392	55	2820
Irby ...	Fortnightly	Monday	237	45	1222
Kelsall ...	1st and 3rd Tuesdays	Tuesday	255	20	475
Lymm ...	Weekly	Tuesday	271	25	1185
Malpas ...	Fortnightly	Monday	163	8	184
Marple ...	Weekly	Wednesday	840	70	3611
Marple Bridge ...	Fortnightly	Thursday	359	39	981
Middlewich ...	Weekly	Monday	1187	28	1393
Mobberley ...	Fortnightly	Tuesday	549	27	707
Nantwich ...	Weekly	Thursday	580	54	2754
Neston ...	Weekly	Thursday	415	42	2151
Northwich ... (Parkfield)	Weekly	Thursday	1112	47	2459
Northwich ... (Darland House)	Weekly	Tuesday	1408	59	2955
Partington ...	Fortnightly	Thursday	134	22	590
Poynton ...	Fortnightly	Thursday	380	51	1279
Romiley ...	Weekly	Thursday	624	30	1499
Runcorn ...	Weekly a.m. & p.m.	Wednesday	1434	44	4167
Sale ...	Weekly	Tuesday & Thursday	2681	47	6719
Sandbach ...	Weekly	Tuesday	1310	40	2047
Scholar Green ...	Fortnightly	2nd & 4th Wednesday	202	23	548
Stockton Heath ...	Fortnightly	Monday	No Dr.	55	1430
Sutton ...	Fortnightly	2nd and 4th Wednesday	83	16	388
Tarporley ...	Fortnightly	Thursday	296	20	532
Upton ...	Fortnightly	1st and 3rd Thursday	300	40	1009
Utkinton ...	Fortnightly	Thursday	No Dr.	6	106
Weaverham ...	Fortnightly	Tuesday	376	33	866
Wilmslow ...	Weekly	Thursday	996	53	2774
Winsford ...	Weekly	Friday	958	30	1567

Artificial Sunlight Treatment

The following table shows the attendances made at the various clinics by non-tuberculous patients:—

Clinic.	Patients at 1/1/45	Admitted during 1945	Discharged during 1945	Patients at 31/12/45	Attendances at Clinics
Hyde Clinic ..	1	4	4	1	40
Marple Hosp.	—	1	1	—	8
Northwich (Victoria Infirm'y)	2	5	6	1	89
Warrington Infirmary	—	1	1	—	16
	3	11	12	2	153

Orthopaedic Scheme

The Orthopaedic Scheme includes treatment for all orthopaedic conditions occurring in children under 5 years of age. During 1945 there were 1,928 attendances of 551 patients (non-tuberculous) at the Clinics, and 40 cases received institutional treatment.

The following table shows the attendances made at the various Orthopaedic Clinics (excluding those for Sunlight only).

Clinic.	Patients at 1/1/45	Admitted during 1945	Discharged during 1945	Patients at 31/12/45	Attendances at Clinics
Alderley Edge ..	58	33	27	64	268
Altrincham ..	11	13	7	17	89
Chester ..	5	2	2	5	8
Congleton ..	15	19	16	18	161
Crewe ..	51	43	42	52	181
Ellesmere Port ..	3	2	1	4	43
Hoylake ..	39	20	19	40	361
Hyde ..	6	3	4	5	16
Marple Hospital	—	2	2	—	38
New Ferry ..	3	1	1	3	36
Northwich Infirm.	—	10	8	2	110
„ (Parkfield)	17	16	11	22	83
Runcorn ..	80	59	44	95	437
Stockton Heath..	23	17	9	31	98
	311	240	193	358	1929

Institutional Treatment

40 children received institutional treatment during 1945—22 boys and 18 girls. Of these, 13 were orthopaedic cases, and 27 medical and surgical cases.

The following table shows the hospitals and clinics where treatment was carried out, and the conditions from which the children were suffering.

Section VII.

Milk (Special Designations) Orders, 1936-41

At the time of writing this report there were 3,147 Accredited Milk Licences and 195 Tuberculin Tested Licences in force in the County.

A very satisfactory feature of the year under review has been the considerable increase in the number of applications received for Licences to produce Tuberculin Tested milk.

Unfortunately the supply of building materials and labour has not kept pace with the demand for improved farm buildings suitable for housing tubercle-free herds, but by concentrating on bare essentials, adequate light, airspace and ventilation combined with easily cleansed and disinfected interior surfaces, in all but a few cases the transition to Tuberculin Tested milk production has gone forward smoothly.

The system of milk production known as the Milking Parlour or Milking House System in which cows are milked in batches in a special milking unit combined with a dairy unit has during the year received consideration by many Cheshire farmers and several units are now operating successfully. Such a system seems to have special advantages in the case of farms requiring considerable structural alterations to existing shippens to bring them to the standard required for milk production.

The pasteurization and heat treatment plants in the County are now visited twice a month, when samples are taken and submitted to the Phosphatase and 30-minute Methylene Blue Tests. The former test shows the efficiency or otherwise of the heat treatment of the milk upon which depends the destruction of harmful pathogenic organisms, the 30-minute Methylene Blue test indicating the keeping qualities of the treated milk.

During the year the Milk and Dairies Committee of the County Council revoked the Accredited milk licences of 8 producers. In each case unsatisfactory conditions at the farms were combined with consistently unsatisfactory milk samples.

Co-operation with the District Sanitary Officers remains at the same high level, and while we on our part have endeavoured to give them every help in connection with any matter reported to us, they have undoubtedly greatly assisted us with their local detailed knowledge of farms and the conditions thereof.

The Divisional Inspector of the Ministry of Agriculture, Mr. W. Tweed, has given the Department considerable help and the closest liaison exists between us.

Section VIII.-Food and Drugs Act, 1938.

The Chief Inspector of Weights and Measures (Mr. Stacey Hallard) briefly reports on the work of his Department, in so far as it relates to the sampling of foods and drugs within the administrative County of Cheshire, excluding the Municipal Borough of Crewe.

During the year under review a total of 1,900 samples of various types of foods and drugs on sale to the public were purchased at shops and other places where such goods are usually exposed for sale. Not all these samples were "purchased" in the accepted sense of the word, since a large number of the milk samples were specially obtained at farms at the precise moment the milk was being collected by a carrier for conveyance to one or other of the milk factories in Cheshire or bordering districts.

Of the total samples analysed by far the largest proportion were milk samples; in fact, 1,077 of such samples were obtained as against 823 samples of miscellaneous foods and drugs. Dealing with the milk first, 99 (or roughly ten per cent.) of the number taken were certified by the Public Analyst to be below the Standard set up by the Sale of Milk Regulations. A better idea of the position can be gained by dividing these non-standard milk samples into the following three definite categories:—

Milk containing added water	46
Milk deficient in fat	28
Milk deficient in non-fatty solids	25

There is little doubt that abnormality in the cows was the chief factor responsible for the majority of the samples that were deficient in fat and non-fatty solids, but with regard to the other milks these undoubtedly contained extraneous water in amounts varying from 3.5 to 38.4 per cent. Needless to say legal proceedings followed in practically every instance of these latter samples, and penalties totalling over £200 were inflicted by the Justices.

The most interesting case in connection with these prosecutions concerned the supply of milk to a Convent. Suspicion fell on the supplier delivering the milk, and one evening, unknown to this retailer, an Inspector visited the man's wholesaler and took a sample out of each of ten churns from which it was known he would later take his allocation. These

churns were then kept under observation until eventually two of them were picked up by the retailer's employee. The following morning the Inspector waited at the Convent until the retailer arrived and delivered over 400 third-pint bottles of milk for the school children together with a small quantity of loose milk. Also on the vehicle (for later retail delivery in the locality) was a churn of milk and a number of pint bottles. The Inspector took a sample from a representative selection of the third-pint bottles and also one from the loose milk. He then took a sample from the churn and pint bottles that were intended for retail sale to the general public. As might be expected the ten samples taken the previous evening all proved to be genuine, whereas each of the four samples taken the following morning was found to be adulterated with water in amounts ranging from 19 to 27 per cent. The man was subsequently fined a total of £40 and £4. 4s. 0d. costs as a result of the four summonses issued.

Regarding the "dry" samples certified against (i.e., all samples other than milks), out of 823 purchased only nine failed to reach the legal standard, or (where no appropriate legal standard is fixed) failed to reach the recognised standard of commercial purity.

The following summary shows the types of food referred to in this connection, the result of analysis being shown in parenthesis:—

Sausage (Contained 90 parts per million Sulphur Dioxide). This was an informal sample and therefore purchased unknown to the seller. Subsequently, when another visit was paid to the shop to purchase a formal sample with a view to legal proceedings, it was found that the Statutory Notice was displayed. It should be noted that it is legal to add a limited quantity of SO₂ provided its presence is declared either by a notice in the shop or by a label attached to the sausage.

Sausage (Contained 100 parts per million Sulphur Dioxide). The same remarks apply in this case as in the preceding sample.

Boracic Ointment (Deficient in Boracic Acid, its medicinally active constituent). The seller of this article was cautioned and all remaining stock returned to the Manufacturer.

Carotone Tonic (Contained 0.06 per cent. of chloroform instead of the 0.25 per cent. stated on the label attached to the bottle). It is more than likely that the stated amount of chloroform was present in the article when manufactured but in the course of time a proportion of this ingredient would be lost owing to its extreme volatility.

Gin (5.8 per cent. excess water). The seller was prosecuted and fined £5 and 10/6d. costs.

Whisky (7.6 per cent. excess water). The seller was prosecuted and fined £15 and 10/6d. costs.

Sweetened Semolina, Chocolate Flavoured (Devoid of any sweetening agent and devoid of sufficient cocoa to impart a chocolate flavour). This was an informal sample. On investigating the matter, with a view to obtaining a formal sample in order to prosecute the manufacturer, it was found that the retailer had purchased the goods from a traveller and was unaware of either his name or the name of the packer. The retailer was cautioned and agreed to withdraw all stock from sale.

Baking Powder (80.3 per cent. deficient in available Carbon Dioxide). The seller had taken over the shop at which this purchase was made only a few months previously. The article had been packed in a cardboard container with a loose metal cap and had deteriorated through having been in stock some years. The seller was cautioned and all remaining stock was destroyed.

Sulphur Ointment (15 per cent. deficient in sulphur). The Manufacturer of this article was cautioned.

In conclusion, if one compares the figures given below showing the percentage of adulteration from the last full pre-war year up to the first post-war year I think it will be agreed that a clearer example of the remarkable rise in the incidence of food adulteration due to War conditions could hardly be found:—

<i>Year.</i>	<i>Percentage of samples Certified as non-standard.</i>
1938	5.4 per cent.
1939	6.5 per cent.
1940	9.0 per cent.
1941	11.5 per cent.
1942	11.5 per cent.
1943	8.3 per cent.
1944	8.2 per cent.
1945	5.7 per cent.

Section IX. Mental Deficiency

Particulars of Mental Defectives as on 31st December

A. Number of Cases "Subject to be dealt with":—

1. Under "Order":—

		1944			1945		
		M.	F.	T.	M.	F.	T.
(a) (1) In Institutions (excluding cases on Licence)—							
Under 16 years of age	..	34	26	60	30	23	53
Aged 16 years and over	..	166	159	325	174	164	338
(2) On Licence from Institutions—							
Under 16 years of age	..	1	—	1	—	—	—
Aged 16 years and over	..	11	11	22	15	19	34
(b) (1) Under Guardianship (excluding cases on Licence)—							
Under 16 years of age	..	—	—	—	—	—	—
Aged 16 years and over	..	1	—	1	1	—	1
(2) On Licence from Guardianship—							
Under 16 years of age	..	—	—	—	—	—	—
Aged 16 years and over	..	—	—	—	—	—	—

2. In "Places of Safety":—

Under 16 years of age	..	—	—	—	—	—	—
Aged 16 years and over	..	—	—	—	—	—	—

3. Under Statutory Supervision .. 495 455 950 535 480 1015

4. Action not yet taken under any of the above headings (in receipt of Poor Law Relief, domiciliary) .. 37 41 78 35 40 75

B. Number of Cases who may become "Subject to be dealt with":—

(1) In Institutions or under Guardianship—dealt with under Sec. 3:—

(a) In regard to whom the Local Authority contributes under its permissive powers	.. .. .	—	1	1	—	1	1
(b) Maintained wholly by parents, relatives or others	.. .. .	30	9	39	28	9	37

(2) Reported to the Local Authority from any reliable source, but as to whom no action has been taken — — — — —

(3) Under Voluntary Supervision — — — — —

Ascertainment

The methods of ascertainment are the same as in previous years. Every effort is made to obtain particulars of all mental defectives in the County. Health Visitors, District Nurses, Relieving Officers, Head Teachers, parents and various officials report cases, and all persons whose work makes defectives known to them are well aware of the Authority to which information should be supplied.

**Provision of Institutional Accommodation (Excluding Cases
on Licence) at 31st December**

		1944			1945	
	M.	F.	T.	M.	F.	T.
<i>Institution for Defectives provided by the State—</i>						
Rampton State Institution, Retford	—	1	1	—	1	1
<i>Institution provided for Defectives by Cheshire Joint Board—</i>						
Crangage Hall	89	119	208	89	119	208
<i>Institution provided for Defectives by Cheshire County Council—</i>						
Mary Dendy Homes, Alderley Edge.. ..	48	26	74	54	29	83
<i>Institution provided for Defectives by other Local Authority—</i>						
Calderstones (Lancashire Mental Hospitals Board)	3	—	3	3	—	3
<i>Other Certified Institutions for Defectives—</i>						
Besford Court, Worcester	—	—	—	—	—	—
Brentry Colony, Bristol	5	—	5	5	—	5
Dovecot, Knotty Ash, Liverpool	—	1	1	—	1	1
Gillibrand Hall, Chorley	—	2	2	—	2	2
Hillside, Buntingford	1	—	1	1	—	1
Lisieux Hall, Chorley	1	—	1	1	—	1
Pontville R.C. Inst., Liverpool	—	—	—	—	—	—
Princess Christian's Farm Colony, Hildenborough, Kent	—	1	1	—	1	1
Royal Albert Institution, Lancaster	4	5	9	4	5	9
Royal Earlswood Institution, Redhill.. ..	1	—	1	1	—	1
St. Mary's Home, Alton	—	1	1	—	1	1
St. Raphael's Colony, Brentford	2	—	2	1	—	1
Stoke Park Colony, Stapleton, Bristol ..	10	11	21	10	10	20
Swinton Home, Manchester	—	2	2	—	2	2
Totterdown Hall, Weston-super-Mare	—	1	1	—	—	—
Whittington Hall, Chesterfield	—	2	2	—	2	2
<i>Certified Public Assistance Institutions—</i>						
Arcld House, Sandbach (Cheshire C.C.) ..	33	8	41	33	8	41
The Lodge, Caersws (Montgomeryshire C.C.)	1	1	2	—	1	1
Seafeld House, Seaforth (Lancashire C.C.)..	2	—	2	2	—	2
Ashton House, Birkenhead (Birkenhead C.B.)	—	5	5	—	3	3
Total	199	187	386	204	185	389

For detailed information on the Mary Dendy Homes see Section XI.

Guardianship

At the 31st December, 1945, there was 1 case under Guardianship, as compared with 1 at the end of 1944. All necessary care is exercised in the approval of Guardians, and in suitable cases the provisions of Section 30 (e) of the 1913 Act have been utilised.

Supervision

Statutory supervision is carried out by the County Health Visitors, who visit each case several times during the year and report quarterly on their visits. There were 1015 cases so supervised at 31.12.45, compared with 950 at 31.12.44.

Occupation Centres and Home Training

There are no occupation centres in the County, which is mainly rural in character.

No provision has been made for Home Training.

Licence, Discharge and After-Care

At the end of 1945 there were 34 cases on licence from Institutions and none on licence from guardianship, as compared with 22 and none at 31.12.44. The care exercised in the selection of cases and regularity of visitation has resulted in the success of the Council's policy under this heading.

Three cases who had been on licence from an Institution were discharged during the year under review.

Section X.-Welfare of the Blind

General

The requirements of the Blind Persons Acts, 1920-38, are met by the Council in its revised Scheme for the Welfare of Blind Persons, dated May, 1931. The provisions of this Scheme are executed, subject to the general administrative supervision of the Blind Persons Inter-Sub-Committee of the Council, by the Blind Welfare Societies at Chester, Ashton-under-Lyne and Macclesfield, which receive annual grants in accordance with the Scheme of the Minister of Health under the Local Government Act, 1929. The closest co-operation is maintained with these Societies, and the various services rendered by them continue to be entirely satisfactory.

Certification

To ensure that no person's name is placed on the register without the certificate of a medical practitioner with special experience in ophthalmology, all applicants are examined by the County Oculists. Those who wish may be examined a second time under the Medical Referee Service—conducted jointly with the Northern Counties Association—by independent Medical Referees.

Statistics.

Number of Registered Blind Persons in the County at
31st March

	1945
Under 5 years	—
5—16 years	20
16—21 years	13
21—40 years	104
40—50 years	103
50—65 years	260
65—70 years	126
70 years and over	507
Unknown age	6
Total	1139

Registered Blind Persons in County, aged over 16 years, employed,
or otherwise, at 31st March

	1945
Employed { in Workshops & Workrooms	21
{ as Home workers	26
{ variously	52
Unemployed	1013
Undergoing Training	7

Workshop Employees

Annual grants were continued at a fixed rate per head to recognised Workshops for Cheshire employees. A "minimum wage" principle has been adopted for certain workers, their income being made up to a fixed amount. On this principle there were 2 male employees at Henshaw's at the end of 1945, while on the fixed rate system there were 4 males Liverpool, and 2 females at Henshaw's.

Home Workers

The three voluntary societies arrange for the employment at home of those capable of it. Augmentation of 22/6 weekly was given by the Council to all County approved Workers, who numbered 33 at the end of 1945.

Homes Residents

Annual grants in accordance with the Local Government Act Scheme are paid to several organisations, subject to the same services continuing to be rendered on behalf of Cheshire residents in Homes for the Blind; additional capitation grants of £13 a year are made for new entrants, whose maintenance charges are also paid by the Committee if necessary. At the end of 1945, there were 8 Cheshire residents being so maintained in the Homes of the Manchester and Salford Society and 8 in the Homes of Henshaw's Institution.

National Library for the Blind

Grant at the rate of £50 a year was made in 1945 to the National Library for the Blind on behalf of each of 3 Cheshire Home Workers who were Blind Copyists for its northern branch, apart from the usual annual grant for general services, which are used by over 100 Cheshire residents.

Other Services

The usual annual grants were continued in 1945 to the National Institute for the Blind and the Northern Counties Association for their respective national and regional services.

Wireless Certificates

100 Certificates entitling the recipients to a free wireless licence were issued in 1945 to applicants on the register.

Necessitous Blind

In its Scheme under the Local Government Act, 1929, the Council made a declaration that all domiciliary assistance to necessitous blind persons should be henceforth

provided by virtue of the Blind Persons Act and not as Poor Relief. The Council's revised Scheme for Domiciliary Assistance, dated April, 1938, provided that the weekly income of every adult registered blind person be increased where necessary to 25/-, and that of a married blind couple to between 30/0d. and 45/0d., according to circumstances, and that such persons might be eligible for extra grant on account of dependants. The scale became subject to a war bonus of 2/6d. from 16.5.40, a second 2/6d. from 21.5.42, a third 2/6d. from 6.1.44, and a fourth 2/6d. from 4.1.45.

In 1945 grants were made by the Blind Persons Inter-Sub-Committee in 174 cases, and withheld in 3. Grants reported as ceased, owing to death of recipient, or otherwise, numbered 128.

At the end of the calendar year 1945, there were 779 weekly grants so made to blind persons in the County.

At the end of the financial year 1945-46, there were 762 weekly grants so made to blind persons in the County.

Section XI.-County Institutions

REPORT OF THE MEDICAL SUPERINTENDENT OF CLATTERBRIDGE COUNTY HOSPITAL

The end of 6 years of fighting in Europe and Asia is a suitable time to remark on changes which have occurred in hospital work during that time. Hospitals generally have received an enormous stimulus to co-operate with one another to a degree which seemed impossible before the war. Experience in times of air raids accustomed us to this in a way which no mere official scheme could have achieved. It seems that some of these tendencies will endure with lasting benefit. One of these has been the provision of special centres for particular kinds of treatment such as chest surgery, brain surgery, and plastic surgery. Another is the regional blood transfusion service; this scheme is almost as vital now to hospitals as supplies of food, and has been superbly organised and run in this area. Penicillin has been similarly dealt with. Hospitals have not so far been charged for the cost of blood transfusion and penicillin services.

Staffing problems, medical and nursing, were also considerably helped by more or less centralised arrangements made by the Ministry of Health. The Civil Nursing Reserve, in spite of much criticism, did make a considerable contribution towards easing our difficulties in this hospital. It no longer functions as a source of recruitment for us, and by the end of the year we began to experience rather serious shortages of nursing staff. The Rushcliffe scales introduced during the War were intended to be a great attraction towards nursing but seem to have had little effect. As far as male nurses are concerned they are a positive deterrent.

As to the buildings on the hospital site, these formed part of four distinct schemes, all completed, and for the most part erected during the War. The first of these schemes was that planned by the County Architect for the extension and modernisation of the original hospital. The second was a series of nine huts to form an addition to the County Hospital for the emergency medical service of the Ministry of Health; this addition was opened in time to cope with a convoy from Dunkirk. The third was an addition of eight more huts about two years later, also erected for the Ministry of Health. The fourth was a complete hatted hospital of about 140 separate buildings, built for the British War Department to hand over to the U.S. Army; this scheme absorbed the second and third schemes, and extended well beyond the land belonging to the County Council.

The American Army occupied this hutted hospital in August, 1944, and left it in July, 1945. Thereafter the British Army took over the hutted hospital, but handed back to the Ministry of Health the 17 huts which that Ministry had built. The Ministry then offered these 17 huts to the County Council on a rental basis. No patients had been treated in them up to the end of the year. Considerable adaptations will be necessary before much use can be made of them.

Patients

The principle of admitting all sick persons (except infectious and mental cases) whose doctor asks for admission has not been strictly adhered to during the year, since staff shortages would not permit of adequate attention. It is often a matter of considerable difficulty to decide on the advisability of admission. Details of the types of diseases dealt with can be gathered from the Statistical Appendix, and from the reports on their respective departments from the Consultant Staff.

Staff

It is with great regret that I have to report the resignation of the Clerk and Steward, Miss Tilston, who had been on the Staff at Clatterbridge since 1916 and had been Steward since 1935; increasing ill-health decided her not to continue. Her work during the War was indefatigable, at all hours of day and night, and was equalled only by her constant cheerfulness and reliability. It was perhaps mainly due to her work that the standard of feeding for patients and staff remained so high through difficult years. Her successor, Mr. Collier, was appointed late in the year, to commence duty on 1st January, 1946.

Another resignation which I deeply regretted to have to receive was from Mr. Wells, Consultant Surgeon, consequent on his being appointed Professor of Surgery at the University of Liverpool, an honour which he well deserves, and in which we all wish him every success.

Mr. Partridge and Mr. Ronald Edwards have been appointed (temporary) Consultant Orthopaedic Surgeon and Thoracic Surgeon respectively.

Mr. Hamilton, the Eye Surgeon, has resumed duty after demobilisation.

Dr. D. Caplan, after 5 years' service as Senior Assistant Medical Officer, has been called up and is not returning here when his period of service is over.

The following members of staff have returned to duty on demobilisation:—

J. Anyon, Ambulance Driver	31.12.45.
P. Batey, Home Sister	15.10.45.
C. Harvey, Painter	3.12.45.
M. Lamén, Male Nurse	8.10.45.
O. Mennie, Lodge Porter	1.12.45.
W. Smith, Engineer's Helper	31.12.45.
G. Smith, Gardener	19.12.45.
J. Williams, Ward Porter	6.12.45.

Nurses' Training School

The General Nursing Council for England and Wales have issued several circulars during the year which will certainly call for some changes which we are trying to arrange, and may, if they are eventually made compulsory, lead to extensive changes in the work at Clatterbridge. One of those is the introduction of the so-called comprehensive training, in which four years' training will be the minimum, and will include several subjects now only dealt with by supplementary parts of their register.

Our thanks are again due to Dr. Yeoman for his work as lecturer both to student nurses and pupil midwives. The two Sister Tutors, Sister Sill and Sister Howe, have the chief responsibility of this aspect of the Hospital's activity.

The results of the examinations for admission to the Register of the General Nursing Council were that 29 nurses passed and 16 failed.

The prize-winners for the year were:—

3rd year—Joan Thomas won the 3rd year Gold Medal;
Brenda Sargent won the book prize.

2nd year—Kathleen Beech won the Silver Medal;
Elizabeth Keaveney won the book prize.

1st year—Rene Burrell won the Bronze Medal;
Olive Gordon won the book prize.

The Midwifery Training School, Part 1, began its work in January, 1945. So far the results of one examination have come to hand. Five pupil midwives entered, and all were successful.

The Pre-Nursing Course for girls of school-leaving age continues satisfactorily. The five pupils with whom this course began in January, 1942, became State Registered Nurses at the end of 1945.

Staff Recreation

It is pleasant to report that some improvement in the Nurses' Sports Club has occurred this year. The new recreation hall is practically completed, and several functions have been held in it in December. We still lack means for out-door recreation; there is not even a single tennis court.

Library

Mrs. Threlfall and her associates have again had a busy year in voluntarily providing us with this much appreciated service. Boxes have now been provided in the Wards for the collection of books from patients on their discharge home. Unfortunately Mrs. Threlfall has had to resign from this work for health reasons.

Statistics relating to the year ending 31st December, 1945

IN-PATIENTS

TABLE 1 (a)

1. Total number of admissions (including infants born in hospital) — — — — —	4930
2. Total number of women confined in Hospital — —	686
3. Number of Live Births — — — — —	657
4. Number of Still Births — — — — —	38
5. Number of Deaths among the newly-born (i.e. under four weeks of age.) (This figure relates only to children born in Hospital) — — —	21
6. Total number of Deaths among children under one year (including those given under 5) — — —	38
7. Total number of Maternal Deaths among women admitted to Hospital for confinement — — —	3
8. Total number of Deaths — — — — —	388
9. Total number of discharges (including infants born in Hospital) — — — — —	4537
10. Duration of stay of patients, including (8) and (9)	
(a) Under four weeks — — — — —	3916
(b) Four weeks and under thirteen weeks — —	854
(c) Thirteen weeks or more — — — — —	155
11. Number of beds occupied (excluding cots in Maternity Wards):—	
(a) Average during the year — — — — —	334
(b) Highest, on 21/2/45 — — — — —	388
(c) Lowest, on 24/12/45 — — — — —	245
12. Number of Deaths within 24 hours of admission — —	37
13. Number of Deaths of patients over 70 years of age — —	94

TABLE 1 (b)
OUT-PATIENTS*Attendances.*

General — — — — —	4007
Ophthalmic — — — — —	699
Orthopaedic — — — — —	925
Ear, Nose and Throat — — — — —	636
Pneumothorax — — — — —	1116
Medical — — — — —	1150
Gynae — — — — —	157
	8690
Total number of new cases — — — — —	2012

TABLE 2

	1944	1945
Number of Admissions (including Births) — — — — —	5118	4930
Number of Discharges — — — — —	4791	4537
Number of Deaths — — — — —	417	388
Number of Live Births — — — — —	850	657
Number of Still Births — — — — —	40	38
Number of Patients in Hospital — — — — —	289	294

TABLE 3

CLASSIFICATION OF IN-PATIENTS WHO WERE DISCHARGED OR WHO DIED IN THE YEAR ENDING 31st DECEMBER, 1945

					Children under 16		Men & Women.	
					Dis-	Died	Dis-	Died
					charged		charged	
A. Acute Infectious Disease	..	..	..	..	9	—	2	1
B. Influenza	..	..	..	..	—	—	2	—
C. Tuberculosis								
(1) Pulmonary	..	..	..	..	2	3	35	13
(2) Non-Pulmonary	..	..	..	..	7	2	22	6
D. Malignant Disease	..	..	..	..	3	—	80	59
E. Rheumatism.								
(1) Acute Rheumatism (Rheumatic Fever) together with sub-acute Rheumatism and Chorea	..	..	..	..	9	—	11	—
(2) Non-articular manifestations of so-called Rheumatism (Muscular Rheumatism, Fibrositis, Lumbago and Sciatica)	..	..	..	..	—	—	16	—
(3) Chronic Arthritis	..	..	..	..	—	—	36	5
F. Venereal Disease	..	..	..	..	—	—	3	1
G. Puerperal Pyrexia	..	..	..	..	—	—	18	1
H. Puerperal Fever								
(1) Women confined in Hospital	..			..	—	—	—	—
(2) Other cases	..	..	..	..	—	—	1	—
I. Other Diseases with Pregnancy and Child-Birth				..	1	2	302	2
J. Mental Diseases (1) Senile Dementia	..			..	—	—	—	—
(2) Other	..	..	..	..	—	—	13	—
K. Senile Decay	..	..	..	..	—	—	3	2
L. Accidental Injury and Violence	..	..	..	..	69	5	150	13
<i>In respect of the cases not included above—</i>								
M. Disease of the Nervous System and Sense Organs	..	..	..	..	112	4	129	49
N. Disease of the Respiratory System..	..	..	..	..	84	10	182	20
O. Disease of the Circulatory System..	..	..	..	..	6	4	153	76
P. Disease of the Digestive System	..	..	..	..	305	8	690	36
Q. Disease of the Genito-urinary System	..	..	..	..	67	—	313	27
R. Disease of the Skin	..	..	..	..	52	2	74	—
S. Other Diseases	..	..	..	..	101	16	224	18
T. Mothers and Infants discharged from Maternity Wards and not included in above figures	..	..	..	..	649	3	594	—
U. Persons not falling under any of the above headings	..	..	..	..	3	—	3	—
Totals	..	..	..	..	1479	59	3056	329

TABLE 4

CLASSIFICATION OF OPERATIONS UNDER ANAESTHESIA

Abdominal.

Gastrectomy	----	----	----	----	----	14
Gastroenterostomy	----	-----	----	----	----	5
Rammstedt	----	----	----	----	----	2
Perforated peptic ulcer	----	----	----	----	----	16
Appendix operations	----	----	----	----	----	205
Resection of large intestine	----	----	----	----	----	6
Paul Mikuliez	-----	----	----	----	----	2
Entero anastomosis	----	-----	----	----	----	2
Enterostomy	----	----	----	----	----	1
Caecostomy and Colostomy	----	----	----	----	----	23
Closure of Caecostomy etc.	----	-----	----	----	----	5
Excision of Rectum	----	----	----	----	----	3
Removal of Haemorrhoids	----	----	----	----	----	33
Sigmoidoscopy	----	----	----	----	----	34
Other operations on Rectum	----	----	----	----	----	6
Cholecystectomy	----	-----	----	----	----	18
Other operations on biliary passages	----	----	----	----	----	2
Hernia operations	-----	----	----	----	----	94
Laparotomy, for other conditions	----	----	----	----	----	23

Genito-Urinary.

Nephrectomy	----	----	----	----	----	4
Other operations, Kidney	----	----	----	----	----	4
Suprapubic prostatectomy	-----	----	----	----	----	17
Cystostomy	----	----	----	----	----	9
Diathermy resection of prostate	----	----	----	----	----	1
Diathermy removal of papilloma of bladder	----	----	----	----	----	2
Cystoscopy	-----	-----	-----	-----	-----	56
Hydrocele	----	-----	-----	-----	-----	2
Operations on urethra	----	----	----	----	----	53
Circumcision	----	----	----	----	----	52
Others	-----	-----	-----	-----	-----	14

Gynaecological.

Oophorectomy	-----	----	----	----	----	12
Ectopic Pregnancy	-----	-----	----	----	----	3
Hysterectomy	-----	-----	----	----	----	20
Evacuation of uterus	----	----	----	----	----	51
Dilatation & curettage	----	-----	----	----	----	38
Insertion of Radium	----	----	----	----	----	13
Sterilisation	-----	----	----	----	----	2
Caesarean section	----	----	----	----	----	28
Perineorrhaphy and other repair operations	----	----	----	----	----	18
Other gynaecological operations	----	----	----	----	----	29

Ear, Nose and Throat.

Operations on Mastoid	-----	----	----	----	----	18
Operations on accessory air sinuses	----	----	----	----	----	14
Removal of nasal polypi	-----	----	----	----	----	2
Tonsillectomy and/or adenectomy	-----	----	----	----	----	161
Oesophagoscopy	-----	-----	-----	----	----	3
Others	-----	-----	-----	-----	-----	9

Ophthalmic.

Enucleation of eyeball					2
Cataract operations					13
Operations on ocular muscles					56
Other ophthalmic operations					11

Orthopaedic and Accidents.

Operations for compound fracture					3
Operations for simple fracture					5
Insertion of Smith Peterson nail					4
Débridement and/or wound excision					11
Manipulation and/or application of plaster					56
Major amputations					6
Minor amputations					6
Operations for osteomyelitis					5
Operations on tendons					6
Arthrodeses					4
Osteotomy					3
Meniscectomy					6
Kellar's operation					5
Removal of foreign bodies					7
Others					20

Thoracic.

Rib resection					9
Closed drainage					1
Pulmonary abscess					1
Phrenic Crush					2
Thoracoscopy					4
Bronchoscopy					12
Mediastinal Tumour					1
Others					1

Miscellaneous.

Radical excision of breast					4
Operation on thyroid gland					6
Excision of cervical glands					4
Biopsy					9
Laminectomy					1
Craniotomy					1
Drainage of abscesses					126
Curettage of sinuses					10
Varicose veins (Tredelenburg operation)					18
Skin graft					20
Pilonidal cyst					1
Miscellaneous minor operations					54

TABLE 5
MATERNITY DEPARTMENT

Ante-Natal Clinic.

Total number of patients (new)				202
" " visits				1283
Average attendance per week				24-25
" " " patient				6
Total number of ante-natal admissions before term (including other ante-natal clinic patients)				133
No. of deliveries who attended Clatterbridge Clin.				170
" " " E. Port A.N. Clin.				179
" " " N. Ferry A.N. Clin.				220
" " admitted as emergencies				116

Maternity Ward.

Total number of deliveries	—	—	—	685
„ „ primiparae	—	—	—	318
„ „ multiparae	—	—	—	367
„ „ live births	—	—	—	657
„ „ still births	—	—	—	38

Particulars of still births.

Cause.	Ante-natal clinic attended by mother.				Emergency
	Total.	Clatterbridge.	N.Ferry.	E.Port.	
Unknown	4	1	1	2	—
Anencephalic	5	3	1	—	1
Ante-partum Haemorrhage	7	1	1	2	3
Mat. Toxaemia	4	—	2	1	1
Eclampsia	3	—	—	2	1
Hydrocephalus	4	—	1	1	2
Breech & ext. legs	2	—	1	—	—
Prolapse of Cord	2	—	2	—	—
Asphyxia by long cord	1	—	1	—	—
Chorea gravidarum	1	—	—	—	1
Attempted Forceps					
before admission	1	—	—	—	1
Proved Syphilis	1	1	—	—	—
Perforation and decapitation	1	—	—	—	1
Maternal 'Flu	1	—	—	1	—
Quinine induction	1	—	—	1	—
No. of Normal Deliveries	595				
No. of Instrumental „	49				
No. of which mother					
attended A.N. Clinic at		11	13	11	14
No. of Caesarean Section	26	10	8	2	6
Breeches	28	6	6	11	5
Other cases from Doctors	2				
Perineal Repairs (202) made					
up of:—					
Episiotomies	55	12	16	12	15
2nd degree tears	66	12	25	23	6
1st degree tears	81	28	19	22	12
Induced Labours	112				
Medicinal	57				
Instrumental	55				

Maternal Deaths

- 1 Chorea gravidarum (Emergency)
- 1 Toxaemia and cerebral haemorrhage.
- 1 Phlebitis and pulmonary embolism antepartum.

3

Cases of Toxaemia	48
Ante-Partum Haem	28
Notified puerperal pyrexias	20
Notified Ophthalmia Neonatorum	9
No. of premature births	80
No. of twinbirths	9
No. of foetal abnormality	12
No. of pemphigus	2

(suspected only)

No. of mothers breast feeding	546
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Neonatal Deaths

21

Made up as follows—

- Premature twin
- Premature 34 weeks and Maternal Flu.
- Active Pul. T.B. of mother.

Hydrocephalus and Spina Bifida.
 Cerebral Haemorrhage due to Birth Trauma.
 Premature after 36 weeks after Q.I.
 Premature twin 36 weeks.
 Premature 32 weeks.
 Premature 32 weeks mother Toxaemic.
 Aspiration Pneumonia.
 Premature Mat. Toxaemia.
 Premature 38 weeks and Jaundice of N.B.
 Dysphagia and Deformity of Leg.
 Premature induction with Bougies.
 Premature 28 weeks maternal pyrexia.
 Premature 36 weeks.
 Premature Ante-Partum Haemorrhage.
 White Asphyxia and convulsions.
 Premature 24 weeks.
 Premature—cause unknown.
 Premature—cause unknown.

Post-Natal Clinic.

No. of Attendances 89

One attendance to each patient.

TABLE 6

**RETURN OF WORK DONE AT BIRKENHEAD
LABORATORY**

Specimens examined during 1945:—

			Pos.	Neg.	
Swabs for Diphtheria	—	—	4	3794	
Sputum for Tubercle	—	—	25	639	
Blood for Widal	—	—	4	28	
Blood for Wassermann	—	—	—	—	856
Smears for Gonococci	—	—	—	—	194
<i>Other examinations:—</i>					
Bacteriology General	—	—	—	—	3381
Biochemistry General	—	—	—	—	2022
Pathology General	—	—	—	—	3970
G.P. Inoculations	—	—	—	—	16
					<hr/> 14933 <hr/>

Penicillin issued - close on 100 million units.

TABLE 7

X-RAY DEPARTMENT

Types of examinations:—

Bones	—	—	—	—	—	1412
Renals	—	—	—	—	—	379
Chests	—	—	—	—	—	2944
Gall Bladders	—	—	—	—	—	161
Barium Meals and Enemas	—	—	—	—	—	522
Ante-natal Examinations	—	—	—	—	—	144

TABLE 8

PHYSIOTHERAPY DEPARTMENT

(a) Ward Cases						381
In-patients treated	—	—	—	—	—	1920
Treatments given	—	—	—	—	—	1204
(b) Out-patients treated	—	—	—	—	—	6483
Treatments given	—	—	—	—	—	143
Service Patients	—	—	—	—	—	46
Ministry of Pensions cases	—	—	—	—	—	

REPORT ON THE WORK OF THE ORTHOPAEDIC DEPARTMENT

Several steps have been taken towards integrating the work of the Orthopaedic Unit and increasing its efficiency. The in-patients have been segregated into our own wards, which makes their supervision more effective and enables the nursing staff to become familiar with the attention necessary for splints, extensions and plasters. Secondly, the staff of the Physiotherapy Department has been increased, and their transfer to more spacious and suitable quarters in the new hut is expected soon.

The close co-operation of the Physiotherapists is essential for the successful treatment of orthopaedic in-patients, and for the carrying out of effective after-care of out-patients. It is our concern to keep close supervision over our patients after they have left Hospital until they have returned to full work, and the Surgeon cannot do this without the enthusiasm and vigilance of the Physiotherapy and Out-patient Department staffs. We still stand in need of a Physiotherapist with the Orthopaedic Nursing Certificate, and hope that she may be found in the near future when staffing conditions are easier.

The most important step, however, relates to the recording of the clinical notes. The day is gone when the doctor should waste his time writing these himself in an illegible longhand, and the only proper system is to dictate them to a stenographer at the time the patient is seen. They are subsequently typed out to form a continuous record covering both in and out-patient treatment as a consecutive story. The importance of this cannot be exaggerated, though perhaps it applies more to orthopaedic work than to other branches of medicine. A stranger visiting a Hospital can accurately estimate the efficiency of the work done by the quality of the clinical records kept. An attempt is therefore being made to improve our note-keeping on these lines. Thanks are due to Dr. Wilkie who has generously given his help, and has provided a most able clerk, Mrs. Brown, to organise the records. A great deal yet remains to be achieved.

The work done in this department is surprisingly varied. It includes a fair proportion of strictly orthopaedic cases as well as fractures and other injuries. The equipment is very adequate for all our needs, and the pleasant ward balconies are a great asset for the out-of-door nursing of selected cases. The tuberculous patients, especially the children, have done very well in this way, and it is hoped that we may have more work of this sort in the future.

REPORT ON THE WORK OF THE CONSULTANT PHYSICIAN'S DEPARTMENT

I am glad to report that the last year at Clatterbridge has been one of considerable progress on the medical side. The appointment of Mrs. Brown as Secretary to the Medical Staff has facilitated our work at the Hospital enormously. Much time is saved and complete notes are made on the cases referred to the Consulting Staff. Unfortunately Mrs. Brown's burden is a heavy one, and it is clear that further assistance will be required if this work is to be efficiently carried out.

The appointment of a Senior Resident Medical Officer in charge of the medical cases has proved of enormous assistance. The appointment has only just commenced but it is apparent that this has been a long felt need.

I still feel that the services of a whole-time Pathologist to the Hospital are essential. Frequent post-mortems on fatal cases teach us much in clinical medicine. The employment of Penicillin and the haematological and bio-chemical investigations carried out for the accurate administration of the Sulphonamide group of drugs has increased the part of the Pathologist in the Hospital. His frequent presence in the Hospital would also be of great value for consultation with the Clinicians.

I should again like to acknowledge my gratitude to Dr. Wilkie and his staff for their unfailing courtesy and consideration in all matters. I find it a great pleasure to work at Clatterbridge.

REPORT ON THE WORK OF THE THORACIC SURGERY UNIT

During the past year the section of Thoracic Surgery at Clatterbridge Hospital has maintained a continuous activity. Cases are seen usually in collaboration with the consulting physician to the hospital. Patients suffering from bronchial carcinoma, bronchiectasis, mediastinal tumour, empyema, lung abscess, hypertension, lesions of the oesophagus, etc. are considered for surgical treatment.

Patients suffering from pulmonary tuberculosis are seen in consultation with the visiting tuberculosis officer. Cases requiring major thoracic surgery are transferred to the Liverpool Chest Surgical Centre, of which the visiting thoracic

surgeon is a member of the staff. This arrangement is made under the E.M.S. scheme, and in view of the specialised nature of this branch of surgery is of mutual advantage to the patient and the surgeon.

The visiting thoracic surgeon would like to express his appreciation of the great care with which the Nursing Staff at the Hospital have looked after these exacting patients, and of the help of the radiological department.

REPORT ON THE WORK OF THE GYNAECOLOGICAL AND OBSTETRICAL DEPARTMENT

The work of the Gynaecological and Obstetrical Department has continued on progressive lines with various advances and improvements, of which the main one is the establishment of a Midwifery School for training nurses in Part 1 of the C.M.B.

Sister M. Fenton was appointed the first Sister Tutor, and has done excellent pioneer work in training and teaching. This has gone very smoothly, with excellent results at the examinations. Full numbers are now entering. One must mention with regret that Sister has now resigned.

The Gynaecological cases have increased but there is a slight drop in the number of deliveries in the Maternity Ward, partly no doubt because some of the neighbouring maternity homes have reopened, and also because many of the evacuees have now returned to their homes. The growing tendency for patients to have confinements in institutions is continuing, and more accommodation is urgently required, because in the past there has been overcrowding with imperfect and incomplete accommodation for the babies and no facilities for the care of premature infants. This should be remedied, and the extensions which have been agreed by the Ministry of Health proceeded with as soon as possible. This will also provide more material for the training of midwives as a matter of some national importance.

Anaesthesia in midwifery has been constantly in mind, gas air apparatus is in use, and several pupils who have taken their diplomas with distinction were trained at Clatterbridge. Application is now being made to be recognised by the Central Midwives Board as a training centre under the new Regulations which come into force next July.

Further research into anaesthesia is now in progress under the auspices of the Royal College of Surgeons, and any advances will be brought to the notice of the Superintendent.

For continued efficiency and progress it is essential to have adequate and suitably qualified staff. In this direction it is important to stress the importance of the Resident Medical Staff. Application has now been made for recognition of the Department as suitable for doctors reading for higher midwifery and gynaecological diplomas of the Royal College. This will draw better candidates for the resident positions.

Some provision should be made for patients who require private accommodation, so that these patients may be delivered near their homes, thus saving their husbands much time, because they now have to go to places at some distance away, with loss of time, and consequent anxiety. This should be seriously considered, as patients desirous of this form of accommodation are quite entitled to it.

REPORT OF THE CONSULTANT TUBERCULOSIS PHYSICIAN

In previous reports, the writer stressed the important place of a General Hospital in relation to a Tuberculosis Scheme. In the recently published (November, 1945) survey on the Hospital Services in the North-Western area by Sir Ernest Rock Carling and Dr. T. S. McIntosh, it is of interest to note that in the section dealing with Tuberculosis, the General Hospital is included in the principles on which they consider a Tuberculosis Scheme should be based. Furthermore, the results emerging from the ever increasing literature on the Mass Radiography examinations of civilian and servicemen throughout the country, confirm that a certain number of problem cases require in-patient observation for diagnosis and assessment. This will lead to an increased demand on beds in General Hospitals concurrently with the extension of Mass Radiography work, as yet in its infancy.

A very welcome event during the year has been the appointment of a Consultant Thoracic Surgeon to the Hospital. This is an important advance, as the scope of the general chest work is thereby enlarged and closer co-operation between physicians and surgeons secured.

The Hospital still continues to carry out its most important function as a diagnostic centre on an ever increasing scale, but definite tuberculous cases, mostly advanced disease, continue to drift in owing to the long waiting list for beds in Special Institutions, and as a result, part of Clatterbridge has become virtually a Sanatorium Pulmonary Hospital. Wherever possible Artificial Pneumo-Thorax treatment is commenced, and thoracoscopy, adhesion section, and phrenic nerve interruption also done in suitable cases.

In addition to the in-patient work, patients on Artificial Pneumo-Thorax Refills and others continue to attend the Out-patient Department in increasing numbers.

I have much pleasure in recording my warm appreciation of the whole-hearted co-operation of the medical and nursing staff.

REPORT ON THE WORK OF THE X-RAY DEPARTMENT

The work of the department continues to increase very considerably each year. The plant (both the main machine and the mobile unit) has functioned in a satisfactory manner. There has been no exceptional expense incurred. The time is fast approaching, however, when the purchase of a second machine will have to be considered and of course concurrent with this is the question of housing it. The need for a second machine is particularly noticeable when screening is in progress. When this is taking place at present all other work must cease.

The clerical work attached to an X-ray department is considerable, and I think it would be advantageous to appoint a clerk (female), to the department to deal with the filing, typing of reports, telephone, etc., and so leave the radiographers freer to do their own more specialised work.

REPORT OF THE MEDICAL SUPERINTENDENT OF WEST PARK COUNTY HOSPITAL, MACCLESFIELD

The conclusion of the War provides an opportunity for reference to the work of the Hospital under the Emergency Medical Service. For a short period military patients were treated; in the Autumn of 1940, the first civilian convoy was received and it included a number of the chronic sick. These patients were evacuated from their homes in the South because of enemy action, and from time to time further convoys were received. At the end of the year 54 patients of this class remained in the Hospital. It was expected that they would be returned to Hospitals near to their homes at the conclusion of hostilities and preparations were made for this purpose. Only a few have been returned and it is understood that this is due to the lack of hospital accommodation in London.

The care of the chronic sick entails a heavy strain on the nurses; most of these patients are bed-ridden and incapable of helping themselves, so that they usually require more attention than the average acute case. The actual nursing work is heavy and, if it is to be successful, must be carried out with much tact, sympathy and unending patience. It would seem appropriate to refer to the devoted service of all those who have helped in the nursing of these patients.

During the War ten members of the male staff served in the Forces, and it is a pleasure to record that there have been no casualties; four members of the permanent staff are expected to return to the Hospital to take up their former positions.

The work done for the County patients has been on similar lines to previous years; there are a number of developments which have not been put forward owing to the uncertainty concerning the Government's plan for a National Health Service which has not been disclosed at the time of writing.

PATIENTS

An examination of the figures for 1945 shows that the work has been very similar to that of the previous year. In most of the Departments there has been a slight increase; there were 150 more admissions whilst the number of operations has increased. Both the X-ray and Physio-therapy Departments have been more active but the figures for the Maternity Ward and Pathology Department are less, for reasons which will be given later. Some details are set out in a statistical appendix.

Maternity

During the previous year it was agreed that the Maternity Department was over-worked and, for this purpose, it was decided to restrict bookings to 35 per month and to allow for 50 emergencies during the year. The number of births was 480 but this figure does not include those patients who were admitted during the ante-natal period; the total number of admissions amounted to 519 which exceeded the maximum number desired by 50. A number of bookings could not be accepted but no case was refused admission if this was desired on medical grounds.

The results of the year's work have been very satisfactory; the stillbirths number 9 as compared with 17 in 1944. The number of neonatal deaths was 14, the same number as in the previous year; 10 were due to Prematurity. Considerable attention has recently been directed throughout the country to this problem, which has received close attention at West Park. The present facilities for dealing with these cases are considered to be inadequate but it does not appear possible to effect an improvement unless the Department is extended. Apart from this, it is evident that further accommodation is required if the Hospital is to accept all the mothers who seek admission.

Tonsils and Adenoids

The arrangement of preceding years has been continued with considerable success. The operations are carried out by the Consulting Aural Surgeon, who is assisted by a special Anaesthetist. The children are admitted the night before operation and remain for three days, special care being taken to guard against such complications as bleeding which occasionally occurs after the operation.

Physio-therapy

It was expected that the figures for this Department would show a diminution but, in fact, there has been an increase of 354 in the number of treatments given. The Masseuse was away for some time owing to ill health and it was impossible to obtain a *locum tenens* throughout the period; in this connection valuable assistance was rendered by the Massage Staff of Parkside Hospital. Recently, the hours of treatment have been varied and provision made for two evening sessions each week in order that patients may attend when their daily work is finished.

Pathology

The bulk of the work is carried out in the Laboratory at Parkside Hospital. Specimens are taken by the Hospital

Messenger who is despatched twice, and sometimes thrice, daily for this purpose. Some simple examinations are carried out in the Hospital and others are dealt with in the County Laboratory, Manchester University, or elsewhere. The figures for the year show a decrease of 226 which was not unexpected as an unusually large number of bacteriological examinations were carried out in connection with the Maternity Ward in 1944. It is believed that further demands will be made upon Parkside Laboratory in the coming year and the question of providing a Laboratory in the Hospital with the services of a technician may have to be considered.

Chronic Sick

The unsatisfactory accommodation for chronic sick has frequently been reported in the past. In D. and H. Blocks there are 72 patients, nearly all of whom are bed-ridden. Of these 38 are E.M.S. and 34 are County Council. These Wards were never intended for the nursing of bed cases but were brought into use in 1940 as an emergency measure at a time when every available bed was required for emergency purposes. The situation will be relieved to some extent now that Sutton Oaks has been taken over, but as this house is not likely to accommodate more than 25 patients, it will only find room for a small proportion of the chronic cases of Macclesfield and District, some of whom are in Public Assistance Institutions at Arclid and Nantwich.

Dietary

A Food Supervisor has been appointed and made responsible for the preparation of the Dietary and the cooking of meals. There is no doubt that this arrangement has caused considerable improvement but there is often delay in the serving of meals on the Wards owing to lack of sufficient staff.

Clinics

There is no Out-Patient and Casualty Department attached to the Hospital but facilities exist for Clinics. Apart from the Ante-Natal and Post-Natal Clinics there are regular weekly sessions for Medical, Surgical and Dental patients. Clinics for Orthopaedic, Ear, Nose and Throat, Ophthalmic and Children's cases are held from time to time. As far as possible patients attend by appointment.

Special Cases

In-patient treatment has been given to special cases referred through the County Council Clinics at Crewe and Macclesfield.

BUILDINGS

Work has continued on the renovation and redecoration of the Wards; works carried out include improvements to the General Offices and the provision of better accommodation for the domestics. A small office has been provided for the Food Supervisor and alterations carried out to the Medical Officer's flat.

Nurses' Home

The lack of suitable accommodation for the nursing staff has been frequently mentioned. It became apparent that something must be done urgently and approval was given to a plan for erecting a temporary Home to accommodate twenty Nurses, a suitable site having been found near to the old Nurses' Home.

West Bank House continues to be used for nursing staff and Park Farm House has been taken over for the same purpose, six Nurses being transferred there from temporary accommodation in a dormitory on H. Block which was most unsatisfactory. Even when the temporary Home is erected, it will be impossible to provide those facilities for the Nurses which were recommended by the Minister of Health in a pamphlet published towards the end of the year.

STAFF

Medical

The Medical Superintendent, who commenced duty on July 1st, 1940, resigned in November, having been appointed to a similar post at Whipps Cross Hospital, Leytonstone, London. It was decided that a permanent appointment should be made and, in order to give men in the Services an opportunity of applying, it was agreed that applications might be received up to April 30th, 1946. In the intervening period between the departure of the present Medical Superintendent and the appointment of a successor, it was decided that Dr. Susan Beatty, Deputy Medical Superintendent at Clatterbridge Hospital, should be invited to act as Medical Superintendent of West Park.

Consultants have attended throughout the year; with two exceptions; they are all paid by fees for services rendered. It is evident that in certain specialities, there is sufficient work for regular sessions and it appears advisable that permanent appointments should be made, as is the case at Clatterbridge Hospital.

Two Medical Officers have been resident throughout the year, one of them having the use of the Bungalow as married quarters.

Nursing

The general shortage of Nurses is well known and applies to all types of Hospital. In previous reports mention has been made of the special difficulties at West Park. The lack of sufficient staff gave rise to considerable anxiety from time to time, especially during the month of December when several nurses were off sick during an Influenza epidemic.

Three Wards have been closed throughout the year owing to the shortage of staff; nevertheless no urgent case has been refused admission. A special tribute should be made to the valuable service rendered by the Matron and her staff despite all difficulties.

The following table shows the number of nurses employed on December 31st 1945, and indicates the vacancies, and those absent sick, or on leave:—

Cheshire County Council.

	<i>Estab- lishment</i>	<i>Vacancies</i>	<i>Absent Ill or Away</i>	<i>Staff Actually available</i>
Administrative	4	—	—	4
Trained Staff	19	6	3	10
Student Nurses	37	7	10	20
Male Orderlies	2	—	—	2
Pupil Midwives	4	—	—	4
	—	—	—	—
	66	13	13	40
	—	—	—	—

In addition, as a temporary measure, one assistant nurse has been employed.

Civil Nursing Reserve

	<i>Vacancies</i>	<i>Absent Ill or Away</i>	<i>Staff actually available</i>
Assistant Nurses	—	—	4
Nursing Auxiliaries	—	2	8
		—	—
		2	12
		—	—

There is no establishment, the numbers being made up by the Sector Matron.

Examination Results

Preliminary State Examination—Parts 1 and 2.

17 entered—14 passed both parts—3 passed Part 1 only.

Central Midwives Board—Part 2.

6 entered—4 successful first time.

2 passed at second attempt.

Domestic.

There has been great difficulty in obtaining Maids and Daily Cleaners and from time to time various Wards and Departments have not received adequate attention.

This is the fifth and last report written by the present Medical Superintendent. The intervening years have seen great changes and despite the limitations imposed by the unsuitability and inadequacy of the buildings, the willing and able co-operation of all members of the staff has enabled the Hospital to render valuable service to the County. The Medical Superintendent wishes to thank all those who have aided him in his work, not only on the staff of the Hospital but also the various officials in the County with whom he has come in contact. In particular, he desires to express his gratitude to the Hospital Committee for the sympathetic way in which they have regarded his efforts, and for many individual acts of kindness.

Statistics.

GENERAL

Patients in Hospital—	P.H.	E.M.S.	Total
31st December, 1944	121	83	204
31st December, 1945	138	54	192
Admissions during year 1945	1874	43	1917
Discharges during year 1945	2187	56	2243
Births during year 1945	480	—	480
Operations during year 1945	759	2	761
Deaths during year 1945	150	16	166

Average duration of stay—

County Patients... .. 27.8 days

E.M.S. Patients 344.2 days

Average number of beds occupied throughout the year—

County Patients—143.06

E.M.S.—67.9

MATERNITY

Number of admissions	519
Deliveries	480
Emergencies	47
Instrumental Deliveries... ..	50
Breech Deliveries	20
Caesarean Sections	6
Toxaemia of Pregnancy... ..	27
Eclampsia	1
Stillbirths	9
Neonatal Deaths	14
Number of Mothers who attended Ante-Natal Clinic ...	433
Number of attendances	2831

X-RAY DEPARTMENT

Number of examinations	1464
Number of radiographs	3333

In addition the Radiographers visited Parkside Hospital to take 377 films.

PHYSIOTHERAPY DEPARTMENT

	Massage	Electrical	Exercises	Total
Public Health—				
In-Patients ...	616	474	537	1627
Out-Patients ...	797	856	370	2023
E.M.S.—				
In-Patients ...	64	31	43	138
Total ...	<u>1477</u>	<u>1361</u>	<u>950</u>	<u>3788</u>

In addition, daily exercises were conducted in the Maternity Ward throughout the year.

PATHOLOGICAL DEPARTMENT

Bacteriological	760
Haematology	755
Histological	224
Other tests	126
Autopsies	62
Total ...	<u>1927</u>

REPORT OF THE MEDICAL SUPERINTENDENT OF THE MARY DENDY HOMES, ALDERLEY EDGE

Admissions

There were, on the 31st December, 278 males and 147 females, making a total of 425 patients resident in the Homes.

During the twelve months nineteen boys and five girls came into the Homes as new admissions. Sixteen boys and five girls were received under the provisions of the Mental Deficiency Acts. The discharge and re-admission of the latter patients was automatic as they were already in residence.

The mental state on admission of the forty-five patients was as shown below:—

	M.	F.	Total
Imbeciles	2	2	4
Feeble-minded	33	8	41
Totals	35	10	45

Discharges

Fourteen males were removed from the Homes during the year, thirteen of whom were discharged to the care of relatives, one was discharged by order of the Board of Control and one female patient was transferred to another Institution by the maintaining Authority. In addition to these discharges two men and one woman, all of whom had been out on licence for several years, were discharged from their Orders by authority of the Board of Control.

At the end of 1945 fifteen male and five female patients were out on licence.

Deaths

Two deaths have to be recorded, both Males, and both died from Cerebral Tumour. This gives, on the resident figure, a death rate of 0.47%.

Age Classification

A classified list of the ages of resident patients is shown in the following table:—

			Male.	Female.	Total.
Under 16 years	...	...	76	35	111
16—20	„	...	44	19	63
21—29	„	...	73	27	100
30—40	„	...	23	22	45
Over 40	„	...	62	44	106
Total			278	147	425

General Health

Taken over the 12 months, the general health of the Institution has been fairly good. There have been some six cases of Scabies, three cases of Impetigo and one case of Vincent's Angina.

The more serious cases of illness and accidents which occurred were one adult male with perforated gastric ulcer, one adult male with a fracture of arm, one adult male with fracture of leg, one schoolboy with fracture of nose. These three latter cases were due to accidents for which no one was culpable.

One nurse was operated on for Appendicitis, two nurses suffered from Pneumonia and one Cook-housekeeper was found to be suffering from Diabetes.

One male patient is still suffering from Tuberculosis of the Kidney and is in a very low state of health.

Taking the staff generally, the health has been fairly good except for the customary colds and occasional epidemics of sore throats.

During the past two months an epidemic of Influenza has occurred involving both patients and staff. Two types have occurred, viz.: Gastric Influenza and Respiratory Influenza. All cases to date have recovered satisfactorily, with an average course of 4 to 7 days.

During the past 12 months, patients have shown increase of weight amongst the juniors, and a maintenance in weight amongst the seniors.

Staff

The staff position has improved. There are, however, still 18 vacancies for male and female nurses on the establishment.

19 Student Nurses have joined the staff whilst 8 Student nurses have left.

1 male Attendant joined the staff whilst 1 male Attendant left.

1 Assistant Nurse resigned and Sister Milne-Redhead (Tutor and Administrative Sister) resigned.

1 Cook-housekeeper resigned, 2 daily Cooks have joined the staff.

1 Gardener left and 2 Gardeners have joined the staff.

1 female Gardener left.

The Deputy Clerk and Steward left, but a new one has been appointed.

Mr. Westall senior (Cobbler) died on July 24th, 1945.

During the year 4 Nurses have passed their Final R.M.P.A. and 12 Nurses have passed their Preliminary examination.

Lectures and practical work have been maintained throughout the year and the staff show considerable enthusiasm.

The position of the male staff will require consideration. Married male attendants have recently expressed the wish to live out of the actual Homes in which patients are resident and to put in a daily shift from 7.00 a.m. to 8.00 p.m. To put this into operation 8 male night nurses will be required and one male night Superintendent. Additional staff required for the day work will be 5 men to ensure adequate relieving. The employment of 14 men must, therefore, be considered. At present an allowance of 4 only is made on the existing establishment.

Activities

During the 12 months 21 dances have been held for the patients and 5 parties for patients and staff.

The Annual Staff dance was held on the 11th January, 1945, and a Victory Dance was held on the 7th November, 1945.

Three Staff parties have been held and there have also been a number of Whist drives and dances open to the Public, the proceeds of which were put into the Recreation Fund.

Four shows from outside sources, viz.: a Pantomime, a Variety performance and two Comedies have also been performed for the benefit of the Institution.

The Mary Dendy Homes 1945 Annual Revue with a cast of staff and patients, was held on the 27th and 28th January, 1945. This Show "One Dose Only" was then played at Lindow Schools, the Rex Theatre, Wilmslow and the Arclid Institution. The 1946 Revue 'Crazy Stuff' was held on the 18th and 19th February and is now due to go on tour as in the previous year.

Throughout the year, dancing classes have been held for female and male patients.

The importance of entertainment in this Institution cannot be too strongly stressed. With the difficulties of transport especially in the Winter, some form of relaxation within the Institution must be found to keep both patients and staff contented.

The purchase of a Cinema Apparatus—which it is hoped will be in operation by Autumn—will prove a great asset, for although many of the fitter patients attend Cinemas at Alderley Edge and Wilmslow, there are a large number who, for mental and physical reasons, cannot go on these outings, and the Cinema here will prove a great boon.

The Football team has had a good year, winning 75% of their games. Physical training and boxing have been continued by Mr. Whitwell and two adult patients gave an exhibition at a Charity Boxing Tournament in Sale. Their performance received great applause.

The annual Sports Meeting was held in June when Alan Gough won the Male Championship and Violet Aston won the Female Championship. The Scouts, numbering 36, continue to do well under Mr. Smith.

The Sunday Services have been continued regularly throughout the year by the Rev. S. G. Key and Rev. H. Thompson.

The Farm

The Farm has had a good year. The value of milk, eggs and potatoes supplied to the Homes from 1st January to 31st December was £2,278. 10s. 4d. Farm produce sold was £2,330. 19s. 11d.

The Gardens

The Gardens have continued to do quite well. The value of garden produce supplied to the Homes from 1st January to 31st December was £1,333. 19s. 4d. Garden produce sold as surplus was £165. 10s. 11d., and supplied to Bostock Barns Farm £10. 11s. 2d.

The experiment of training a number of female patients to work under the control of female Garden Attendants has proved quite successful. The patients show improvement in health, and their labour is now becoming a decided asset.

Bostock Barns Farm

This farm has continued with the training of patients. Of the first three trained there, Roland Blackwell has been discharged and is successfully earning his own living. William P. McMillan and Reginald Groom, after a further period of licence on other farms have proved satisfactory and are due for discharge in March of this year.

Three patients are having training at the present time and appear to be doing satisfactorily.

A good supply of T.T. milk has been maintained throughout the year for the Houses in the Institution.

Special School

Throughout the year there has been an average attendance of 107 children. Miss Kiddle, the Headmistress, continues with her enthusiasm and has carried out careful Intelligence tests of the children in the school.

Physical Training has been well-maintained and a Display given by the school children showed marked co-operation between pupil and teacher with considerable improvement in agility, balance and initiative. The School Championship was won by Livingstone House. Miss Kiddle continues with her Recreation classes at night, which have proved most beneficial to the children from an educational and recreational point of view.

During the year Miss Young and Mrs. Evans left the service of the school and Miss R. Kiddle joined the staff.

Night School

This was continued throughout the year by Mrs. Robinson but at present has been discontinued until September. It has been found that considerable improvement can be effected among adult patients, but after a certain point has been reached they have acquired the maximum knowledge they

can absorb and they then commence to lose interest. To counter this the night-school will be, in future, carried on for six months in the year instead of 12 months.

Laundry

The number of patients employed in the Laundry is 23. A considerable improvement has been caused by the installation of a new washing-machine and automatic press. The chief difficulty at present is the shortage of soap. Despite every representation which has been made, the Authorities have not granted an increase. The shortage is easily understandable when one considers the present allowance is that of 1939 less 20%, whilst at the same time there has been a considerable increase in residential staff, plus the fact that Nurses are now employed whose uniform, aprons, cuffs, etc., add considerably to the number of articles to be dealt with.

Clothing

The position continues to improve. A considerable supply of children's clothing was obtained from the W.V.S. but, of course, the standard laid down for recommended clothing cannot be reached at the present time.

Tradesmen

With 1 patient, the Electrician during the twelve months has continued maintenance work and has also overhauled much of the lighting system throughout the buildings. The stage lighting in the Recreation Hall has been completely modernised and is now excellent in illumination and colour value. There seems no doubt, however, that much improvement could be effected throughout the Homes if Lighting and Power are changed, when it is feasible, from 100 to 230 volts.

The Painter has continued throughout the year doing routine maintenance work and has done painting in practically every house in the Institution.

The Joiners have carried out routine maintenance work and have also completely re-built the stage in the Recreation Hall raising it 18 inches and widening it 7 feet. A new proscenium has also been built.

The Brush and Handicraft Workshops continue to do well under Miss Wood, who never appears to be short of new ideas for the improvement of shops. A total of 591 articles were made in the Handicraft Shop, the value of goods supplied to the Institution being £6. 7s. 0d., and goods sold £164. 8s. 11d. The Brush Shop has made 1,204 new brushes and also repaired 693 brushes. Contracts brought in the sum of £8. 2s., new goods to the value of £25. 6s. 8d.

were supplied to the Institution, repairs to the value of £40. 15s. 9d. were carried out to the Institution, and the sale of brushes brought in £53. 12s. 5d. The Handicraft sales have increased since 1944 but the Brush receipts are halved owing to inability to obtain any wire between the months of July and December, 1945.

In the Woodwork Department, a large number of articles for household use, and toys, have been made from scrap wood and repairs have also been carried out to furniture. Re-upholstering has also been done. The Scout Hut which was lying derelict in Noah's Ark field has been taken down, the rotten wood cut away and the building re-erected on a concrete base at the back of the Recreation Hall where it will now serve as a Scout Hut, an extra dressing room and a Football pavilion.

The Plumber has mainly been concerned throughout the year with routine maintenance work.

The Bricksetter has been occupied with maintenance work, the building of the front of the stage and the concrete base for a Scouts' Hut.

During the year the following work has been carried out by the tailor:—

- 88 new suits;
- 16 overcoats;
- 16 working coats;
- 114 pairs of trousers;
- 16 pairs of breeches;
- 17 pairs of boys' sports knickers;
- 9 suits for Male Nurses' uniform;
- 1 uniform overcoat;
- 4 mattresses have been re-covered;
- 3 mattresses have been repaired;
- Repairs to boy's clothing—3,489.

The Cobbling Shop has suffered grievous loss by the death of Mr. Westall, senior, who was the Senior Cobbler. The work, since, however, has been carried out quite satisfactorily by Harry Bradshaw, an ex-patient, now employed on the staff.

From necessity, outside repairs were stopped, but the Institution work, repairs, and the making of new boots and shoes has been carried on satisfactorily. A senior cobbler

will, however, have to be appointed in the near future, in order that the book-keeping and ordering may be maintained at the previous high level.

238 new pairs of boots, shoes, etc., to the value of £169. 4s. 6d., have been issued to the Institution. 7,317 repairs, including soling, heeling, patching, etc., to the value of £1,370. 8s. 0d., have been carried out. (Institution repairs (staff) £36. 10s. 0d., repairs for outside Institutions, £74. 13s. 0d.).

Official Visits

The Commissioner of the Board of Control, Dr. Forsythe, inspected the Homes on October 30th, 1945, accompanied by Miss Crozier.

Conclusion

On the whole the year has proved to be one of steady progress, limited, however, by the inability to build new premises or get adequate sanitation, both of which are urgently needed. A particular requirement is the provision of some accommodation for adolescent youths who, at present, are mixing either with schoolboys or older men, to the detriment of all concerned. A hutment with adequate heating and day-room accommodation, attached to one of the Homes, might prove a temporary solution.

The question of low-grade patients is also a problem, with the urgent need throughout the County for accommodation for this type of patient, and an extra block suitable for their reception might be considered in the Homes. These patients, although unable to attend the Special School, could be given some very simple form of occupational instruction, and their nursing would prove to be valuable experience for the nurses in training.

In conclusion, I wish to offer my thanks for the co-operation I have had from the members of the Cheshire County Council, the Mary Dendy Homes Committee and the County Officers.

I also wish to record my appreciation of the Mary Dendy Staff for the co-operation they have vouchsafed during the past year. Many of them have given up much off-duty time to help in the entertainment of patients and have stimulated and encouraged me with their helpful suggestions for the betterment of the Institution as a whole.

REPORTS OF THE MEDICAL SUPERINTENDENT OF WRENBURY HALL, NANTWICH.

Quarterly reports have been submitted to the Wrenbury Hall Advisory Committee as usual; for statistics of patients treated see p. 40.

PUBLIC ASSISTANCE INSTITUTIONS

In view of the continued difficulties following the war, the improvements carried out have again been restricted to those of an urgent character. During the year a start was made with the removal of blast walls and strutting erected as air raid precautions.

Arclid

Improvements have been carried out in the Mental Block.

Dutton

A new lantern light has been fixed above the Kitchen to improve the natural lighting and ventilation. Tenders were obtained for the reconstruction of the Sewage Disposal Works.

Northwich

This Institution has been extensively re-decorated internally.

Tarvin

Alterations have been carried out to provide accommodation for male and female short order mental cases.

Section XII.-Cancer

For the treatment of Cancer generally, patients who consult their own doctors and can afford the cost of treatment (or get recommends) go to the larger Hospitals offering facilities in Liverpool, Manchester, Stockport, Birkenhead, Chester and Warrington.

For those who appeal to the local authority for treatment the following arrangements are in force.

(1) *Provided by the Local Authority—Clatterbridge County Hospital.*

Radium and Operative treatment are carried out but there are no facilities at present for deep X-Ray Therapy. Cases requiring such treatment are referred to the Radium Institute, Liverpool, from the Hospital. It is intended that when the extensions to Clatterbridge Hospital are completed such treatment shall be available there.

(2) *By agreement with other Hospitals—(Public Assistance Committee).*

(a) Manchester Christie Hospital and Liverpool Radium Institute

(b) Chester Royal Infirmary

Arrangements are in force for Radium, Operative Treatment and Deep X-Ray Therapy at both the above Hospitals.

The following figures show the number of deaths from Cancer in the County area for the last ten years.

	Aggregate of		
	Urban Areas.	Rural Areas.	Total.
1936	904	266	1170
1938	660	270	930
1939	1004	224	1228
1940	978	277	1255
1941	1037	268	1305
1942	980	250	1230
1943	1104	248	1352
1944	1117	283	1400
1945	1126	286	1412

Section XIII.-Water Supplies, Sewerage and Sewage Disposal

A number of Local authorities have prepared schemes of water supply, sewerage and sewage disposal, but at the moment there are limitations to the amount of work which can be carried out due to the shortage of labour and materials.

The outstanding event as regards water supplies was the majority agreement of the local authorities in Mid and South-East Cheshire for the promotion of a Bill to authorise the establishment of a Joint Water Board for that part of the County. At the time of writing this report the Bill has been passed by Parliament. The constituent authorities of the Board include the Cheshire County Council, Crewe Corporation, the Urban District Councils of Middleswich, Nantwich, Northwich, Sandbach and Winsford, and the Rural District Councils of Congleton, Nantwich and Northwich.

Bucklow Rural District Council propose to expend £1,050 in improving unsatisfactory pressure in their mains in the parishes of Peover Superior, Peover Inferior, Ollerton, and Toft (part). The scheme includes utilising a water tower erected by the Military Authorities in the grounds of Peover Hall.

The County Council have given approval to a proposed scheme of the Macclesfield Rural District Council for a new source of water supply from a bore well at Pott Shrigley. It is hoped that the yield from this source will supplement the bulk supplies which are obtained from neighbouring authorities, and at the same time will afford a gravity supply to the higher parts of the Rural District which otherwise could not be served without expensive pumping. The Ministry of Health have suggested that the Rural District Council should consult with the Macclesfield Borough Council and other neighbouring authorities who might have an interest in the development of the proposed bore well, with a view to the application of a comprehensive scheme to serve the areas outside the District.

Other proposed works include the extension of distribution mains in the parishes of Bosley, Gawsworth, Henbury, Kettleshulme, North Rode, Siddington, Sutton and Rainow.

Nantwich Rural District Council are anxious to proceed with the installation of pumping plant for the additional bore well which was constructed in 1942, together with the extension of the existing reservoir and water softening plant.

Application for loan sanction was made in October, 1944, but as the Rural Council's Water Undertaking will be taken over by the Mid and South-East Cheshire Joint Water Board in 1947, the consent of the Joint Water Board will probably be necessary before these works can be commenced.

Tarvin Rural District Council are carrying out small scale extensions of water mains in the parishes of Clotton, Duddon, Huxley, Kelsall, Macefen, Stapleford, Tarvin and Tattenhall, but the greater part of this Rural District is urgently in need of a piped water supply for houses, dairy farms and elementary schools. It is hoped that the major scheme covering the whole of the Rural District will be commenced at the earliest possible moment.

Alsager Urban District Council propose to extend their water mains at a cost of some £900 in the Pikemere Road area.

Marple Urban District Council have prepared a scheme to supersede the unsatisfactory spring supplies serving the parishes of Ludworth and Mellor, and to generally improve the distribution system.

Wilmslow Urban District Council is considering the provision of mains water to the more outlying parts of their area. A scheme of mains extensions has been prepared by the Engineer of Stockport Corporation. The Urban District is within the statutory area of supply of Stockport Water Undertaking.

A Ministry of Health Inquiry was held at Altrincham on the 10th April, 1945, into an application by Altrincham for sanction to borrow £334,500 for works of sewerage and sewage disposal.

Existing Works. The Borough is drained to three separate sewage disposal works at Woodcote, Dark Lane and Dunham Massey. The latter works, consisting of tanks and bacterial filters, was reconstructed a few years ago by Bucklow Rural District Council. Woodcote sewage works, which deals with the sewage from the old Urban District, consists of sedimentation tanks and approximately 128 acres of land. The works is seriously overtaxed and causing pollution of the Sinderland Brook. Dark Lane sewage works deals with the sewage from the Timperley area which was transferred under the County Review from the Rural District of Bucklow. This works consists of two small sewage tanks and filters which are seriously overtaxed and causing pollution of the Sinderland Brook. The storm overflow on the Timperley outfall sewer,

adjoining Dark Lane works, is in operation every day, even in dry weather, and in fact only a portion of the Timperley sewage reaches the Dark Lane works. During heavy rainfall the two outfall sewers discharging to the Woodcote works are incapable of dealing with the flow, and sewage is discharged over a manhole weir direct into the adjacent Timperley Brook. Certain sewers in the Timperley area are also surcharged causing actual flooding of the road.

Proposed Works. A scheme has been prepared by Consulting Civil Engineers for treating the sewage from the old Altrincham area and Timperley by means of tanks and bacterial sewage filters on the site of the Woodcote works. The Dark Lane works is to be abandoned. The outfall sewers are to be improved. Certain internal sewers are also to be improved under the Borough Surveyor to remedy the flooding in the Timperley area.

In January, 1938, Bebington Corporation applied for a loan of £487,000 for works of sewerage and sewage disposal, which have become necessary owing to the large increase in population during recent years. This scheme was subsequently modified in view of the report of the Department of Scientific and Industrial Research on the discharge of sewage into the river Mersey. The scheme, which was held up by the war, is now ready to be carried out. It includes main sewers in Higher and Lower Bebington and Port Sunlight, new storage tanks and outfall to the river Mersey, and a new trunk sewer in the area of the Dibbin Valley which will eliminate Eastham Rake sewage disposal works and several other small sewage installations along the course of the Dibbin stream, as well as certain combined sewers in the Eastham area and improved measures for discharge of sewage to the river Mersey.

A Ministry of Health Inquiry was held at Hale on the 12th December, 1945, into an application by Hale Urban District Council for sanction to borrow £65,500 for works of sewerage. The Urban District is divided into two drainage areas. The southern portion drains to Hale sewage works. The northern area, which includes about 1,000 acres of the added part of Ringway, drains into the sewers of Altrincham. The undeveloped portion of Ringway is without sewerage facilities. Certain sewers in the district are surcharged resulting in the flooding of cellars and backing up of surface water sewers, causing flooding of roads. The portion of Altrincham sewerage system, through which the sewage of Hale is conveyed, is under capacity and would require to be reconstructed with larger sewers in order to deal with anticipated development in Ringway. The cost of this work would

fall upon Hale, plus an annual payment for the treatment of sewage—at present approximately £1,200. The existing sewage works at Hale are under capacity and require extending.

The proposed works include the provision of sewerage facilities in the undeveloped portion of Ringway, other internal sewers which will supersede existing overloaded foul sewers and surface water sewers, and two trunk sewers gravitating to a new pumping station from which the sewage will be pumped into the sewers of Hale southern drainage area. The existing agreement with Altrincham will be terminated. It is stated that there is very little difference in the cost of the proposed scheme and the terms under which Altrincham Corporation receive and treat the sewage.

A scheme, initiated by the County Council, has been in preparation for joint works of sewage disposal which will eliminate three existing sewage works serving the Urban Districts of Alderley Edge and Wilmslow, and the parish of Mobberley in the Bucklow Rural District. The scheme will also provide sewerage facilities for a part of Macclesfield Rural District, and will also be capable of dealing with any future large scale development in the Urban District of Knutsford. Consideration is now being given to the site of the proposed joint sewage works being changed to another position so as to be capable of dealing with the sewage of Bowdon and Hale.

Local Authorities' sewage works generally are being maintained in a satisfactory condition, but in several instances unsatisfactory effluents are being discharged owing to the capacity of the works being overtaxed. These would have been improved and enlarged but the restrictions during the war years prevented this being done.

Sewage pollution of ditches and watercourses occurs in the under-mentioned partially developed unsewered rural areas due to cesspool overflows or where surface water drains are used as sewers:—

1. Partington.	Bucklow R.D.
2. Barrow.	Chester R.D.
3. Great and Little Saughall.	do.
4. Guilden Sutton.	do.
5. Mickle Trafford.	do.
6. Rowton.	do.
7. Goostrey.	Congleton R.D.
8. Mount Pleasant.	do.
9. Mow Cop.	do.
10. Newbold Astbury.	do.
11. Chorley.	Macclesfield R.D.
12. Langley, Sutton.	do.

13. Audlem.	Nantwich R.D.
14. Bunbury.	do.
15. Stapeley (part).	do.
16. Wybunbury.	do.
17. Comberbach.	Northwich R.D.
18. Delamere.	do.
19. Oakmere.	do.
20. Wincham.	do.
21. Appleton.	Runcorn R.D.
22. Great Budworth.	do.
23. Kingsley.	do.
24. Norley.	do.
25. Stretton.	do.
26. Sutton Weaver.	do.
27. Ashton Hayes.	Tarvin R.D.
28. Farndon.	do.
29. Kelsall.	do.
30. Tarvin.	do.
31. Waverton.	do.
32. Ringway.	Hale U.D.
33. Woodford.	Hazel Grove and Bramhall U.D.

Schemes for works of sewerage for these areas are in varying stages of preparation.

Loan sanction has been applied for in respect of Nos. 1 and 32. A Ministry of Health Inquiry in respect of No. 33 was held early in 1946.

It is anticipated that other schemes will be commenced as labour and material become available.

Section XIV.-Housing

Good progress has been made by the Rural District Councils in the survey of working class houses. Additional Sanitary Inspectors have been appointed for this work. In two Rural Districts the survey is practically completed.

TABLE A (Urban i).

CAUSES OF DEATH.	Alderley Edge U.D.		Alsager U.D.		Altrincham M.B.		Behington M.B.		Bollington U.D.		Bowdon U.D.		Bredbury and Romiley U.D.		Cheadle and Gatley U.D.		Congleton M.B.		Crewe M.B.		Dnkinfield M.B.		Ellesmere Port U.D.		Hale U.D.		Hazel Grove and Bramhall U.D.		Hoole U.D.		Haylake U.D.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
ALL CAUSES	19	24	33	25	211	220	226	193	30	27	15	23	107	85	140	159	92	109	339	290	144	110	143	109	75	72	93	116	57	41	154	169	
1 Typhoid and Paratyphoid Fevers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2 Cerebro-Spinal Fever	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3 Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
4 Whooping Cough	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1	...	1	...	...	1	...	...	...	...	...	...	...
5 Diphtheria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...
6 Tuberculosis of Respiratory System	1	...	...	...	9	5	14	2	1	...	...	...	5	1	9	3	7	2	13	7	5	2	6	5	2	1	1	3	1	...	6	5
7 Other forms of Tuberculosis	1	1	...	...	...	1	6	...	...	...	...	...	...	1	...	...	2	...	1	4	...	...	...	2	...	...	...	1	...	...	1	1
8 Syphilitic Diseases	...	...	...	...	1	...	2	...	...	...	...	...	...	...	1	...	...	...	1	2	4	1	1	...	...	...	...	...	...	...	...	...
9 Influenza	...	...	...	...	...	1	...	...	...	...	...	...	1	1	1	2	1	1	2	1	...	...	...	...	...	...	1	1	...	...	...	2
10 Measles	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	1	...	...	...	1	...	...	...	...	...
11 Ac: polio-myel: & polio-enceph:	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	1
12 Ac: inf: enceph:	...	...	...	...	...	...	...	1	1	...	...	...	1	...	1	...	1	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...
13 Cancer of b: cav: & cesoph: (M.) uterns (F.)	...	...	...	...	2	7	...	6	...	...	...	...	...	3	1	1	3	1	5	5	3	1	4	...	2	...	4	1	1	2	2	2
14 Cancer of stomach & duodenum	...	1	1	...	7	5	8	4	1	1	4	...	2	6	6	2	7	2	13	7	5	2	5	4	2	2	3	5	1	1	4	5	
15 Cancer of breast	...	...	...	1	...	7	...	7	...	...	...	1	...	3	...	4	...	2	1	8	...	6	...	...	...	2	...	10	...	...	...	6
16 Cancer of all other sites	2	2	2	2	35	30	27	23	5	2	2	1	12	11	19	19	4	7	24	18	17	9	19	12	9	7	11	9	3	3	18	18	
17 Diabetes	...	...	...	...	...	3	...	3	...	1	...	...	1	2	...	...	...	...	4	7	...	5	...	1	1	3	...	...	2	...	...	1
18 Intra-cran: vaso: lesions	2	2	3	2	20	28	13	17	2	6	...	6	8	10	8	28	8	14	24	32	12	10	13	14	6	8	11	17	8	10	17	30	
19 Heart Disease	4	7	7	8	51	58	60	54	5	4	3	6	32	17	40	43	21	35	94	82	40	43	41	29	23	22	27	30	25	9	43	62	
20 Other Diseases of Circulatory System	1	4	2	1	5	7	1	8	8	3	1	1	2	5	4	6	...	...	7	9	2	3	6	2	...	6	...	5	...	3	2	6
21 Bronchitis	...	...	4	3	19	17	14	7	1	4	1	2	9	9	10	9	7	8	34	14	17	11	5	6	5	1	5	6	3	1	5	8
22 Pneumonia	...	1	1	...	9	10	5	10	1	...	2	...	5	1	3	4	4	2	13	4	4	4	5	1	3	1	4	7	2	2	11	1	
23 Other Respiratory Diseases	...	...	...	...	2	2	5	3	...	1	...	...	4	...	3	2	...	...	...	3	1	1	...	1	2	1	1	1	1	...	4	1
24 Ulcer of stomach or duodenum	...	...	...	...	...	...	4	1	1	...	...	...	3	1	...	2	2	...	5	1	2	...	1	...	2	...	...	...	...	...	5	...
25 Diarrhoea under 2 years	...	...	...	...	...	...	2	2	1	1	...	...	1	2	1	1	...	...	10	4	...	...	2	2	1	...	1	...	1	...	...	...
26 Appendicitis	...	...	...	...	2	1	1	...	...	...	...	...	1	...	...	...	1	...	1	2	...	...	2	...	...	...	...	2	...	...	1	...
27 Other Digestive Diseases	...	...	2	...	3	4	2	2	...	1	...	2	1	...	...	6	4	3	8	6	4	...	2	2	1	1	3	3	...	1	...	3
28 Nephritis	1	3	1	...	5	2	6	5	1	1	...	2	4	...	5	...	4	3	16	12	4	3	3	2	...	2	...	2	1	2	8	3	
29 Puerperal & post-abort: Sepsis	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
30 Other maternal causes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
31 Premature Birth	...	...	2	1	2	2	6	6	...	...	...	...	1	2	4	2	3	4	4	3	2	...	2	5	3	...	2	1	...	...	1	2
32 Con: mal: birth inj: infant: dis:	...	1	2	...	9	11	9	3	...	...	1	...	3	...	2	1	2	2	8	8	1	2	6	2	1	1	4	1	...	2	3	4
33 Suicide	...	...	1	...	...	2	2	...	...	...	...	...	1	...	3	2	...	2	4	1	1	2	1	1	...	...	2	...	1	...	2	1
34 Road Traffic Accident	...	...	...	...	1	...	2	2	...	...	...	...	1	...	5	...	1	...	2	3	2	...	...	1	1	...	1	1	...	1	2	1
35 Other violent causes	...	...	...	1	7	2	9	4	...	...	...	...	3	2	1	...	...	3	6	5	4	1	5	6	3	1	1	1	...	...	4	4
36 All other causes	7	2	5	6	22	15	25	20	2	3	1	2	6	8	14	22	10	14	35	39	13	3	11	8	7	14	10	8	7	4	14	12	

Deaths of Infants (under one year) { Total	...	1	4	1	14	12	22	17	2	1	2	...	6	5	7	5	6	7	29	19	6	5	13	13	7	...	11	3	2	4	4	6	
Legitimate	...	...	3	1	12	12	19	13	2	1	2	...	6	5	6	5	4	6	24	18	5	6	9	11	7	...	10	3	2	4	3	6
Illegitimate	...	1	1	...	2	...	3	4	...	...	...	...	...	...	1	...	2	1	5	1	1	...	4	2	...	...	1	...	...	...	1	...
LIVE BIRTHS—Total	24	21	51	40	312	312	445	343	35	40	26	22	132	111	244	216	115	118	466	459	139	131	283	272	75	77	141	130	61	73	173	160	
Legitimate	21	18	43	37	231	293	417	311	30	39	24	19	124	105	229	205	103	108	443	428	125	116	249	253	69	74	133	123	67	65	160	152	
Illegitimate	3	3	8	3	21	19	28	32	5	1	2	3	8	6	16	11	12	10	23	31	14	15	34	19	6	3	8	7	4	8	13	8	
STILLBIRTHS—Total	...	1	...	2	13	4	16	7	1	...	...	1	3	3	12	3	4	2	17	17	5	6	17	9	1	1	4	...	1	2	4	4
Legitimate	...	1	...	2	13	3	15	6	1	...	...	1	3	3	12	3	4	2	13	17	4	6	16	8	...	1	4	...	1	2	3	4
Illegitimate	...	...	...	...	...	1	1	1	...	...	...	...	...	...	...	...	...	...	4	...	1	...	1	1	1	...	...	...	...	...	1	...



TABLE A.—(Urban ii).

TABLE A.—(Urban ii).																																				
CAUSES OF DEATH.	Hyde M.B.		Knutsford U.D.		Longdenale U.D.		Lymm U.D.		Macclesfield M.B.		Marple U.D.		Middlewich U.D.		Nantwich U.D.		Neston U.D.		Northwich U.D.		Runcorn U.D.		Sale M.B.		Sandbach U.D.		Stalybridge M.B.		Wilmslow U.D.		Winsford U.D.		Wirral U.D.			
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.				
ALL CAUSES	205	229	35	39	27	42	35	57	181	229	68	82	36	32	56	58	44	50	141	107	136	155	216	242	52	64	142	180	85	94	69	88	104	91		
1 Typhoid and Paratyphoid Fevers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2 Cerebro-Spinal Fever	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3 Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	
4 Whooping Cough	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5 Diphtheria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	2	...	...	...	...	...	...
6 Tuberculosis of Respiratory System	8	2	2	2	1	...	2	6	2	3	...	1	1	3	2	1	1	5	3	3	6	5	7	...	...	...	1	...	...	...	...	1	...	...
7 Other forms of Tuberculosis	2	3	...	1	...	...	1	...	1	1	...	...	...	...	1	...	...	...	...	...	3	6	5	7	...	1	3	3	1	2	2	3	7	3	
8 Syphilitic Diseases	5	1	...	1	...	...	2	...	6	2	...	...	...	...	1	...	...	...	...	...	1	2	1	...	...	...	1	1	...	...	1	...	...	1	
9 Influenza	2	2	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	4	...	...	...	2	2	...	...	1	...	...	1	
10 Measles	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	3	1	...	...	1	4	2	...	...	3	2	...	...
11 Ac. polio-myel. & polio-enceph.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12 Ac. inf. enceph.	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
13 Cancer of b. cav. & oesoph. (M.)	3	3	...	2	1	...	2	...	1	5	2	1	1	...	1	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	1	...	...
14 Cancer of stomach & duodenum	8	5	...	1	1	1	2	1	6	8	3	2	3	2	1	4	2	...	4	1	3	2	8	5	2	...	2	5	2	...	1	1	2	1	...	
15 Cancer of breast	...	10	...	3	...	1	...	5	...	13	...	5	...	2	...	1	...	1	...	4	...	5	...	9	...	1	...	5	...	6	...	...	...	1	...
16 Cancer of all other sites	17	16	6	2	2	3	1	4	19	19	6	4	2	1	9	3	4	3	12	8	15	9	29	24	6	5	18	13	7	7	5	8	11	9	...	
17 Diabetes	2	2	...	1	1	1	1	1	2	2	...	1	...	1	1	2	...	1	1	1	...	1	3	4	...	1	...	...	2	2	1	3	...	1	...
18 Intra-cran. vasc. lesions	29	26	4	3	2	5	5	12	15	22	3	10	2	2	4	9	2	7	16	15	12	5	22	41	7	5	17	19	9	7	3	14	13	9	...	
19 Heart Disease	56	63	9	9	8	13	6	8	41	67	21	29	9	7	17	24	20	19	46	39	33	67	52	68	9	9	40	45	20	34	21	19	26	36	...	
20 Other Diseases of Circulatory System	2	2	...	4	...	...	1	...	4	7	6	4	2	...	2	1	2	3	4	7	8	2	6	...	1	4	5	3	3	3	4	7	4	...	
21 Bronchitis	12	16	1	1	2	3	1	3	15	10	6	1	1	1	3	3	2	2	4	...	11	3	16	11	3	2	16	25	8	10	6	2	4	2	...	
22 Pneumonia	13	10	3	1	1	4	...	2	5	9	2	4	1	...	...	1	5	3	3	6	13	5	12	8	2	4	6	6	5	1	1	...	6	2	...
23 Other Respiratory Diseases	4	5	1	...	...	...	1	1	5	2	1	...	1	1	1	...	...	...	1	2	2	1	2	1	1	...	2	1	2	...	1	1	1	1	...
24 Ulcer of stomach or duodenum	1	1	1	...	...	...	...	...	1	2	2	...	1	...	2	...	...	...	...	1	...	...	5	1	...	...	1	...	...	...	1	...	1	2	...
25 Diarrhoea under 2 years	...	1	1	...	...	...	...	...	3	1	1	...	1	...	...	...	...	...	2	1	1	...	...	...	...	...	...	...	...	1	...	1	...	2	...
26 Appendicitis	1	2	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	1	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...
27 Other Digestive Diseases	5	4	...	1	...	1	...	1	5	2	1	1	3	1	2	1	2	...	2	1	2	3	7	6	2	...	3	4	3	3	3	9	1	4	...	
28 Nephritis	5	9	...	...	1	2	2	1	9	13	1	2	...	...	2	1	...	3	9	2	5	6	6	8	2	1	2	7	3	2	2	3	3	2	...
29 Puerperal & post-abortion: Septic	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...
30 Other maternal causes	...	...	...	...	...	...	...	...	2	...	1	...	1	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
31 Premature Birth	4	5	...	1	...	...	1	8	1	...	1	1	1	...	...	...	...	2	3	2	3	2	2	4	...	2	3	1	1	...	...	...	...	...
32 Con. mal. birth inj. infant: dis.	3	2	1	...	...	...	3	7	5	1	2	...	2	1	2	1	1	3	1	4	3	3	7	...	3	2	4	1	2	1	...	1	...	1	...
33 Suicide	4	...	...	...	...	...	3	2	4	1	...	...	...	2	1	...	...	...	3	2	...	1	1	1	...	3	1	1	...	...	2	2	...	...	...
34 Road Traffic Accident	...	...	...	1	...	...	2	2	...	1	...	...	1	...	...	...	...	3	...	1	...	1	1	1	...	...	1	2	...	...	...	1	...	...	...
35 Other violent causes	3	5	...	...	2	1	2	4	6	1	2	2	...	1	...	1	2	...	2	...	5	2	1	1	1	4	6	1	...	1	...	1	...	1	...
36 All other causes	17	30	6	6	4	7	6	6	13	22	6	9	5	8	4	1	2	4	14	9	14	14	26	25	11	27	6	16	14	11	13	12	15	11	...	

Deaths of Infants (under one year)	10	13	5	1	...	1	5	21	13	2	2	4	3	3	4	3	3	10	11	16	12	11	8	6	3	7	10	4	4	2	1	5	2	...		
Total	10	13	5	1	...	1	5	21	13	2	2	4	3	3	4	3	3	10	11	16	12	11	8	6	3	7	10	4	4	2	1	5	2	...		
Legitimate	8	11	5	...	...	...	4	18	9	1	2	4	2	2	3	3	3	8	11	14	11	11	7	6	3	8	8	4	4	2	1	5	1	...	
Illegitimate	2	2	...	1	...	1	1	3	4	1	...	...	1	1	1	...	2	...	2	1	...	1	...	...	1	2	...	...	...	...	...	...	...	...
LIVE BIRTHS—Total	257	215	52	43	25	20	52	41	259	264	91	75	61	65	60	66	73	66	185	160	224	194	329	318	85	76	193	171	106	96	87	86	136	143	...	
Legitimate	238	195	39	38	23	19	47	36	217	237	83	72	55	59	51	58	64	62																		

TABLE A.— (Rural).

CAUSES OF DEATH.	Bucklow R.D.		Chester R.D.		Congleton R.D.		Disley R.D.		Macclesfield R.D.		Nantwich R.D.		Northwich R.D.		Runcorn R.D.		Tarvin R.D.		Tintwistle R.D.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
ALL CAUSES	54	63	104	96	73	56	27	19	107	115	171	146	166	164	185	166	97	84	7	10
1 Typhoid and Paratyphoid Fevers																				
2 Cerebro-Spinal Fever		1																		
3 Scarlet Fever																				
4 Whooping Cough										1		1				1		1		
5 Diphtheria																1	1			
6 Tuberculosis of Respiratory System	1	2	3	4			2		5	1	3	1	12	4	5	4	1			
7 Other forms of Tuberculosis											1				2		2		2	
8 Syphilitic Diseases					1					1				1	1	2			1	
9 Influenza					3	2		1	2	1		2	1	2						
10 Measles						1				1			3		1					
11 Ac: polio-myel: & polio-enceph:																				
12 Ac: inf: enceph:	1													1						
13 Cancer of b: oav: & oesoph: (M.) uterus (F.)	1				1	3			1	1	2	4	3	3	3	1	2	2		
14 Cancer of stomach & duodenum	1	3	2	2	2		1		3	1	10	3	2	6	7	2	7	2		1
15 Cancer of breast		2		5		3		3		5		5		5		3		2		
16 Cancer of all other sites	5	3	11	6	9	3	2	1	6	10	8	12	22	14	18	18	11	10	2	
17 Diabetes	1	1							1	1	1		3		3	2	1			
18 Intra-cran: vaec: lesions	4	7	9	8	8	6	3	2	12	19	18	25	16	19	15	21	8	12		2
19 Heart Disease	11	12	29	34	12	13	8	5	30	34	59	62	51	47	53	46	27	24		6
20 Other Diseases of Circulatory System	6	1	5	1	1	2	1	1	2	2	4	2	2	5	8	12	3	2		
21 Bronchitis	2	1	5	9	4	3	1	1	6	4	7	5	11	2	10	8	2	2	1	
22 Pneumonia	1		8	3	1	2		1	8	4	2	4	1	6	5	4	6	3		
23 Other Respiratory Diseases	2				1	1					2	1	1	1	2	3	1	2		
24 Ulcer of stomach or duodenum		1	1	1	1	1	2			1	1		4		1		1	1		
25 Diarrhoea (under 2 years)		1										1	1	1	1		1			
26 Appendicitis			2	1							1				2	1	1			
27 Other Digestive Diseases	1	1	3	5	3		2	1	1	4	5	3	2	6	4	2	1	3		
28 Nephritis	2	3	4	2	2	1		1	6	7	8	3	7	8	6	8	6	4		
29 Puerperal & post-part: Sepsis												1								
30 Other maternal causes								1						2						
31 Premature Birth	1	1	8		1		1		1	3	3	1	4	3	1	1	2	1		
32 Con: mal: birth inj: infant: die:	2	1	5	2	2			1	2	2	5	3	4	2	6	4	3	2		
33 Suicide			1		1				1		1	1			2	2	2			
34 Road Traffic Accident	2				4	1			6		1	1	2		1		1	2	1	
35 Other violent causes	1	1	1	2	3				2	4	6		5	4	6	2	2	3		
36 All other causes	9	11	7	11	13	14	4		12	8	23	15	9	18	23	17	8	5	2	1
Deaths of Infants (under one year)	Total		3	5	13	4	3	3	1	1	4	6	9	5	14	11	11	5	11	3
	Legitimate		3	5	11	4	3	3	1	1	3	5	8	5	12	10	11	5	7	3
	Illegitimate				2						1	1	1		2	1		4		
LIVE BIRTHS—Total	82	67	175	165	74	100	16	18	136	133	223	184	288	207	258	233	129	109	5	9
Legitimate	77	60	163	154	69	94	16	18	131	126	204	171	263	182	248	224	117	96	5	9
Illegitimate	5	7	12	11	5	6			5	7	19	13	25	25	10	9	12	13		
STILLBIRTHS—Total	1	3	5	2	4	6			5	3	7	8	7	4	12	9	5	2		1
Legitimate	1	2	5	2	4	6			4	3	7	6	4	4	10	8	3	2		1
Illegitimate		1							1				3		2	1	2			

TABLE B

CAUSES OF DEATH.	Sex.	AGGREGATE OF URBAN DISTRICTS.												AGGREGATE OF RURAL DISTRICTS.											
		All Ages	0—	1—		5—	15—			45—		65—		All Ages	0—	1—		5—	15—			45—		65—	
ALL CAUSES	M	3511	245	38		39	254			1082		1853		991	69	15		12	74			237		583	
	F	3510	194	28		24	268			825		2271		999	43	18		11	63			195		579	
1. Typhoid and Paratyphoid Fevers	M																								
	F																								
2. Cerebro-spinal Fever	M	2	1			1																			
	F	4	2	1																					
3. Scarlet fever	M	1		1										1				1							
	F																								
4. Whooping cough	M	5	3	2										2	1	1									
	F	6	1	5																					
5. Diphtheria	M	5		1		4								2	1			1							
	F	1				1								1		1									
6. Tuberculosis of respiratory system	M	131					53			69		9		32							1				
	F	76	1			3	52			17		3		16				11			14		7		
7. Other forms of tuberculosis	M	20		7		2	7			4				1			1				4		2		
	F	20	3	2		3	7			4		1		6		5		1							
8. Syphilitic diseases	M	31	4				2			20		5		3				2			1				
	F	11	2				1			5		2		4				1			2		1		
9. Influenza	M	18	2	2			4			6				6							4		2		
	F	19	1				2			6		4		8		1							3		
10. Measles	M	4	4											4	2	1		1			3		3		
	F	3	1	2										2	1										
11. Ac: polio-myel: & polio-enceph:	M	4					2			1		1					1								
	F	1		1																					
12. Ac: inf: enceph:...	M	5					1			1		3		1				1							
	F	7					2			3		2		1											
13. Cancer of buc: cav: & esoph: (M.) uterus (F.)	M	45					2			10		34		13							5		8		
	F	57					9			27		21		14				1			6		7		
14. Cancer of stomach and duodenum	M	118					3			55		60		35				1			13		21		
	F	85					2			26		58		20				1			3		16		
15. Cancer of breast	M	1										1													
	F	129					13			57		59		33				4			14		15		
16. Cancer of all other sites...	M	378		1		1	19			165		192		94			1	8			33		52		
	F	311		1			27			131		152		77				2			39		35		
17. Diabetes	M	22					4			6		12		10							2		8		
	F	51					5			10		35		4							1		3		
18. Intra-cranial vascular lesions	M	320					5			83		232		93				1			23		69		
	F	444					11			93		340		121				2			27		92		
19. Heart disease	M	950				1	31			259		659		280				7			58		215		
	F	1055				2	28			199		825		273			2	9			38		224		
20. Other diseases of circulatory system	M	85					3			24		59		32				2			6		25		
	F	124					5			19		100		28							2		26		
21. Bronchitis	M	248	8			1	9			104		126		49	3						13		30		
	F	201	5	1			11			32		151		35	1						4		30		
22. Pneumonia	M	155	38	8		2	12			47		48		32	5	3		1			7		15		
	F	114	32	4			8			18		52		27	5	2			4		2		12		
23. Other respiratory diseases	M	48	1			1	4			26		16		9	1						6		2		
	F	33		1			5			11		16		8				1			3		4		
24. Ulcer of stomach or duodenum	M	42	1				9			18		14		11							7		4		
	F	11					1			4		6		5							3		2		
25. Diarrhoea under 2 years	M	30	17	1										3	3										
	F	17												3	3										
26. Appendicitis	M	14		1		4	4			4		1		4			1	2			1				
	F	9				1	3			4		1		4		1					2				
27. Other digestive diseases...	M	71	5	1			8			18		38		22	1		1	2			9		9		
	F	76	3			1	7			22		43		25	2	1					5		13		
28. Nephritis	M	111		1		1	8			48		53		41		1		2			9		29		
	F	104				1	7			26		70		37		1		4			8		24		
29. Puerperal & post-abort: sepsis	F	7					7							1				1							
30. Other maternal causes	F	11					10			1				3				3							
31. Premature birth	M	58												22											
	F	60	58											10	22										
32. Con: mal: birth inj: infant: die:	M	80	77				3			1				29	27	1							1		
	F	76	65	4			4							17	12	2			3						
33. Suicide	M	37					5			18		14		8									3		
	F	26				1	4			13		8		3				5			2		1		
34. Road traffic accident	M	31		3			5			10		7		18		1		4	5		5		3		
	F	14		2			6			4		1		4				3					1		
35. Other violent causes	M	74	6	4		9	20			19		16		25	1	1		3	12		4		5		
	F	58	7	3			6			12		30		16	2	4		1	3		1				
36. All other causes	M	355	7	5		7	30			57		249		110	3	5		1	9		18		74		
	F	398	3	1		3	30			79		282		100	5	1					24		6		

TABLE C

SANITARY DISTRICTS.	Population at Census, 1931.	Estimated Population in middle of 1945.	Area in Acres 1945	Illegitimate Births.	Still Births.	Total Live Births.	Live Birth rate per 1000	Deaths.	Death-rate per 1000	Deaths from							Deaths from Principal Zymotic Diseases.	Principal Zymotic Diseases Death-rate.	No. of Deaths under one year	Deaths under one year to 1000 Births.	Name of Medical Officer of Health at 1/9/45.
										Small-pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid and Paratyphoid	Diarrhoea.					
Column Number ...	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
MUNICIPAL BOROUGHES																					
Altrincham ...	29353	36620	3477	40	17	624	17·0	431	11·8	...	...	...	...	...	...	...	...	...	26	42	*Dr. R. R. Duncan
Bebington ...	31877	42390	12234	60	23	788	18·6	419	9·9	...	1	...	...	1	...	4	6	14	39	49	*Dr. D. O. Macdonald
Congleton ...	14666	13890	5587	22	6	233	16·8	201	14·5	...	1	...	...	...	...	...	1	07	13	56	†Dr. R. B. Davidson
Crewe ...	48321	50160	4386	54	34	925	18·4	629	12·5	...	1	1	1	2	...	14	19	38	48	52	*Dr. J. Ingram
Dukinfield ...	19385	17370	1725	29	11	270	15·5	254	14·6	...	...	...	...	1	...	...	1	06	11	41	Dr. Gladys Brice
Hyde ...	32313	28820	4170	39	16	472	16·4	435	15·1	...	...	...	...	...	1	1	1	03	23	49	*Dr. F. W. C. Brown
Macclesfield ...	35552	33100	4640	69	14	523	15·8	410	12·4	...	...	...	...	...	4	4	4	12	34	65	Dr. J. H. D. Lawrie
Sale ...	28071	39630	3629	43	17	647	16·3	458	11·6	...	...	...	...	...	...	...	...	...	19	29	Dr. F. Appleton
Stalybridge ...	24978	20630	3190	25	12	364	17·6	322	15·6	...	...	...	1	2	...	...	3	15	17	47	*Dr. W. E. Hocken
Total Municipal Boroughs	264516	282610	43038	381	150	4846	17·1	3559	12·6	...	3	1	2	6	...	23	35	12	230	47	
OTHER URBAN DISTRICTS																					
Alderley Edge ...	3279	2988	699	6	1	45	15·1	43	14·4	...	...	...	...	...	...	...	...	...	1	22	*Dr. D. G. Anderson
Alsager ...	2852	4822	2241	11	2	91	18·9	58	12·0	...	...	...	...	...	...	...	...	...	5	55	Dr. H. P. Harpur
Bollington ...	5062	4658	1442	6	1	75	16·1	57	12·2	...	...	...	...	...	...	2	2	43	3	40	Dr. J. W. Chadwick
Bowdon ...	3341	2938	1090	5	1	48	16·3	38	12·9	...	...	...	...	...	...	...	...	...	2	42	Dr. W. N. W. Kennedy
Bredbury & Romiley ...	11690	15960	4753	14	6	243	15·2	192	12·0	...	...	...	...	...	3	3	3	19	11	45	†Dr. W. Lee
Cheadle & Gatley ...	18535	28580	5299	26	15	460	16·1	299	10·5	...	...	...	...	...	2	2	2	07	12	26	*Dr. D. G. Anderson
Ellesmere Port ...	23057	27160	9144	53	26	555	20·4	252	9·3	...	1	...	1	...	4	6	6	22	26	47	Dr. J. Birchall
Hale ...	11011	11430	2264	9	2	152	13·3	147	12·9	...	...	...	...	1	...	1	2	17	7	46	Dr. D. Connolly
Hazel Grove and Bramhall ...	12377	18100	4528	15	4	271	15·0	208	11·5	...	1	...	...	...	1	1	2	11	14	52	†Dr. E. R. Cooper
Hoole ...	5892	8382	672	12	3	134	16·0	98	11·7	...	...	...	...	...	...	1	1	12	6	45	*Dr. Mary Russell
Hoyle ...	19745	24770	5934	21	8	333	13·4	323	13·0	...	...	...	...	...	...	...	...	...	10	30	Dr. J. Hatton
Knutsford ...	6173	5620	2485	18	2	95	16·9	74	13·2	...	...	...	...	...	...	1	1	18	6	63	Dr. E. M. Burrell
Longdendale ...	5145	4385	3545	3	2	45	10·3	69	15·7	...	...	...	...	...	...	...	...	...	...	...	Dr. I. B. Ogun
Lymm ...	5637	5968	4241	10	3	93	15·6	92	15·4	...	1	...	...	1	...	...	2	34	6	65	Dr. J. Cullen
Marple ...	11088	11820	7130	11	5	166	14·0	150	12·7	...	...	...	1	...	...	1	2	17	4	24	†Dr. W. A. Jackson
Middlewich ...	5857	5926	1971	12	...	126	21·3	68	11·5	...	...	...	...	...	...	1	1	17	7	56	*Dr. W. S. Slater
Nantwich ...	8639	8540	1177	17	5	126	14·8	114	13·3	...	...	...	...	...	...	1	1	12	7	56	Dr. K. Knowles
Neston ...	7911	8715	8495	13	1	139	15·9	94	10·8	...	...	...	...	...	...	...	...	...	6	43	Dr. J. Hatton
Northwich ...	20827	18130	2146	50	9	345	19·0	248	13·7	...	1	...	...	...	3	4	4	22	21	61	*Dr. W. S. Slater
Runcorn ...	22587	21690	2914	24	18	418	19·3	291	13·4	...	...	...	1	2	...	1	4	18	28	67	*Dr. E. N. H. Gray
Sandbach ...	8267	8348	3716	15	4	161	19·3	116	13·9	...	...	...	...	...	...	...	...	...	9	56	†Dr. R. Bennett
Wilmslow ...	11956	14860	7694	12	8	202	13·6	179	12·0	...	...	...	...	...	2	2	2	13	8	40	*Dr. D. G. Anderson
Winsford ...	11346	10720	7094	22	7	173	16·1	157	14·6	...	...	...	...	1	...	...	1	09	3	17	*Dr. W. S. Slater
Wirral ...	9599	15800	5639	11	6	279	17·7	195	12·3	...	...	...	1	...	...	...	1	06	7	25	Dr. J. Hatton
Total Urban Districts	251873	290310	96313	396	139	4775	16·4	3562	12·3	...	4	...	4	5	...	24	37	13	209	44	
RURAL DISTRICTS																					
Bucklow ...	10094	9838	46103	12	4	149	15·1	107	10·9	...	...	...	...	...	1	1	10	8	54		Dr. E. R. Lovell
Chester ...	14518	17510	43677	23	7	340	19·4	200	11·4	...	...	...	...	...	...	...	...	...	17	50	Dr. J. Birchall
Congleton ...	10876	11500	38704	11	10	174	15·1	129	11·2	...	1	...	...	...	...	...	1	09	6	34	†Dr. D. J. Walker
Disley ...	2614	2759	2208	...	...	34	12·3	46	16·7	...	...	...	...	...	...	...	...	...	2	59	†Dr. G. V. Miller
Macclesfield ...	17675	18460	74142	12	8	269	14·6	222	12·0	...	1	...	...	1	...	...	2	11	10	37	†Dr. A. C. Gillies
Nantwich ...	23869	25040	100844	32	15	407	16·3	317	12·7	...	...	...	...	1	...	1	2	08	14	34	Dr. O. H. Blacklay
Northwich ...	26180	28460	57504	50	11	495	17·4	330	11·6	...	3	...	...	...	2	5	18	25	51		*Dr. W. S. Slater
Runcorn ...	27580	31710	45765	19	21	491	15·5	351	11·1	...	1	...	2	1	...	1	5	16	16	33	*Dr. E. N. H. Gray
Tarvin ...	14388	14010	62593	25	7	238	17·0	181	12·9	...	...	...	...	1	...	1	2	14	14	59	Dr. J. Birchall
Tintwistle ...	1392	1163	11855	...	1	14	12·0	17	14·6	...	...	...	...	...	...	...	...	...	...	...	Dr. N. Fenton
Total Rural Districts	149186	160450	483395	184	84	2611	16·3	1900	11·8	...	6	...	2	4	...	6	18	11	112	43	* Whole Time Medical Officers of Health.
Administrative County	665575	733370	622746	961	373	12232	16·7	9021	12·3	...	13	1	8	15	...	53	90	12	551	45	† Acting during absence of M.O.H. with H.M. Forces.

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ar Births.

9	20
26	42
39	49
13	56
48	52
11	41
23	49
34	65
19	29
17	47
230	47
1	22
5	55
3	40
2	42
11	45
12	26
26	47
7	46
14	52
6	45
10	30
6	63
...	...
6	65
4	24
7	56
7	56
6	43
21	61
28	67
9	56
8	40
3	17
7	25
209	44
8	54
17	50
6	34
2	59
10	37
14	34
25	51
16	33
14	59
...	...
112	43
551	45